USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Basin Outlook Report April 1, 2001

Basin Outlook Reports
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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Basin Outlook Reports
and
Federal - State - Private
Cooperative Snow Surveys

United States Department of Agriculture
Natural Resources Conservation Service
Bozeman, Montana

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Sheridan County
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Laurel Ovitt
287-3215

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Dan Glasgow
932-5160

Teton County
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466-5722

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Misty Vermulm
434-5234

Treasure County
Stewart Greer
342-5510

Valley County
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228-4337

Wheatland County
John Oiestad
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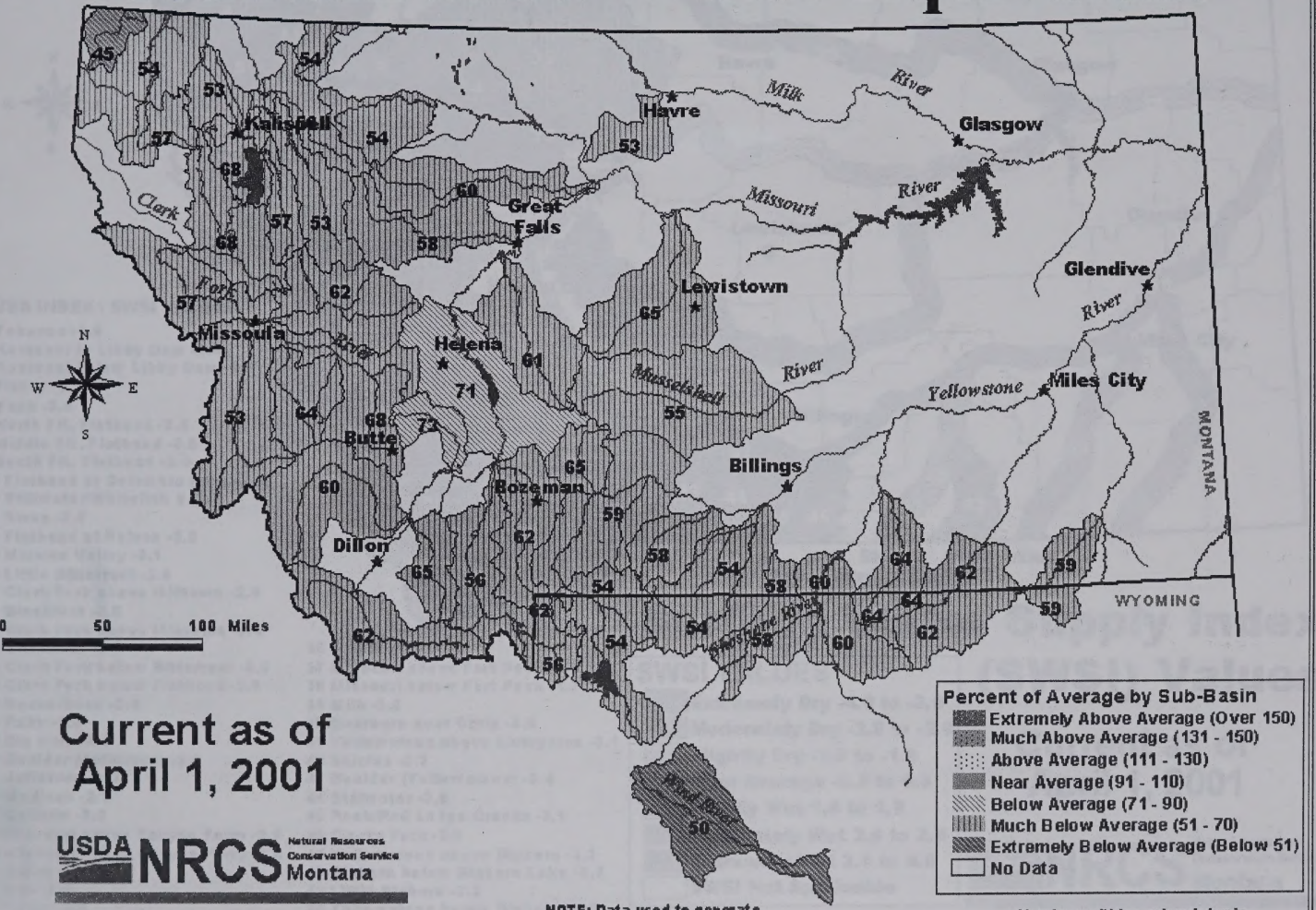
Wibaux County
Katrina Johnson
796-2211

Yellowstone County
Shad Weber
657-6135

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent



Current as of April 1, 2001

USDA NRCS Natural Resources Conservation Service Montana

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

Percent of Average by Sub-Basin

- Extremely Above Average (Over 150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)
- No Data

Numbers within each sub-basin represent the percent of average.

Montana State Extension Service
Custer County
Fallon County
Prairie County
Powder River County
Carter County
Garfield County
McCone County
Richland County
Dawson County
Wibaux County
Fallon County
Theile County
Treasure County
Valley County
Wheatland County
Yellowstone County
Big Horn County
Rosebud County
Musselshell County
Golden Valley County
Sweet Grass County
Stillwater County
Park County
Gallatin County
Madison County
Beaverhead County
Jefferson County
Broadwater County
Meagher County
Wheatland County
Petroleum County
Fergus County
Judith Basin County
Cascade County
Chouteau County
Glacier County
Toole County
Liberty County
Hill County
Blaine County
Phillips County
Valley County
Daniels County
Sheridan County
Roosevelt County
Richland County
Dawson County
Wibaux County
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1/96

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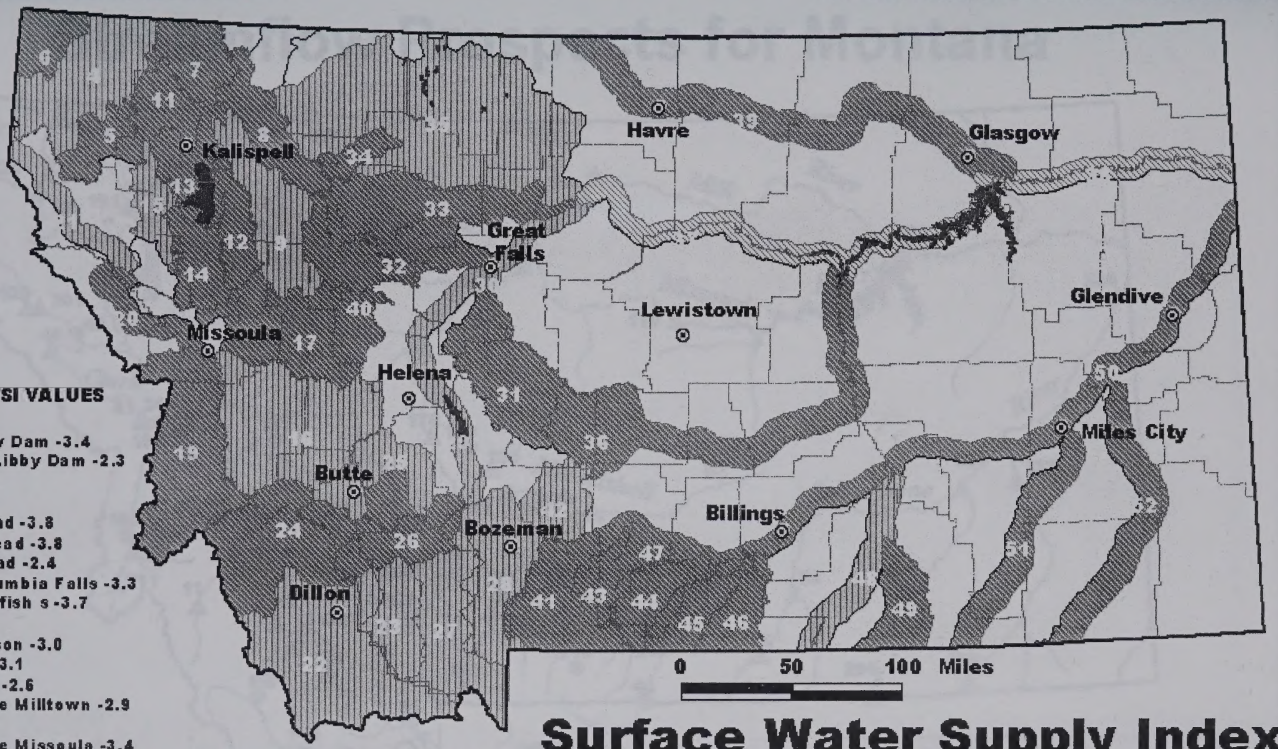

RIVER INDEX \ SWSI VALUES

2 Tobacco -3.9
3 Kootenai to Libby Dam -3.4
4 Kootenai below Libby Dam -2.3
5 Fisher -3.1
6 Yaak -3.4
7 North FK. Flathead -3.8
8 Middle FK. Flathead -3.8
9 South FK. Flathead -2.4
10 Flathead at Columbia Falls -3.3
11 Stillwater/Whitefish s -3.7
12 Swan -3.9
13 Flathead at Polson -3.0
14 Mission Valley -3.1
15 Little Bitterroot -2.6
16 Clark Fork above Milltown -2.9
17 Blackfoot -3.8
18 Clark Fork above Missoula -3.4
19 Bitterroot -3.7
20 Clark Fork below Bitterroot -3.5
21 Clark Fork below Flathead -2.9
22 Beaverhead -2.4
23 Ruby -2.6
24 Big Hole -3.8
25 Boulder (Jefferson) -2.9
26 Jefferson -3.3
27 Madison -2.1
28 Gallatin -2.9
29 Missouri above Canyon Ferry -2.8
30 Missouri below Canyon Ferry -2.4
31 Smith -3.0
32 Sun -3.0
33 Teton -3.6
34 Birch/Dupuyer Creeks -3.6
35 Marias -2.4
36 Musselshell -3.1
37 Missouri above Fort Peck -1.6
38 Missouri below Fort Peck -1.7
39 Milk -3.0
40 Dearborn near Craig -3.8
41 Yellowstone above Livingston -3.1
42 Shields -2.7
43 Boulder (Yellowstone) -3.4
44 Stillwater -3.6
45 Rock/Red Lodge Creeks -3.1
46 Clarks Fork -3.8
47 Yellowstone above Bighorn -3.3
48 Bighorn below Bighorn Lake -2.7
49 Little Bighorn -3.3
50 Yellowstone below Bighorn -3.0
51 Tongue -3.0
52 Powder -3.8

Surface Water Supply Index (SWSI) Values

SWSI VALUES

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

Current as of April 1, 2001

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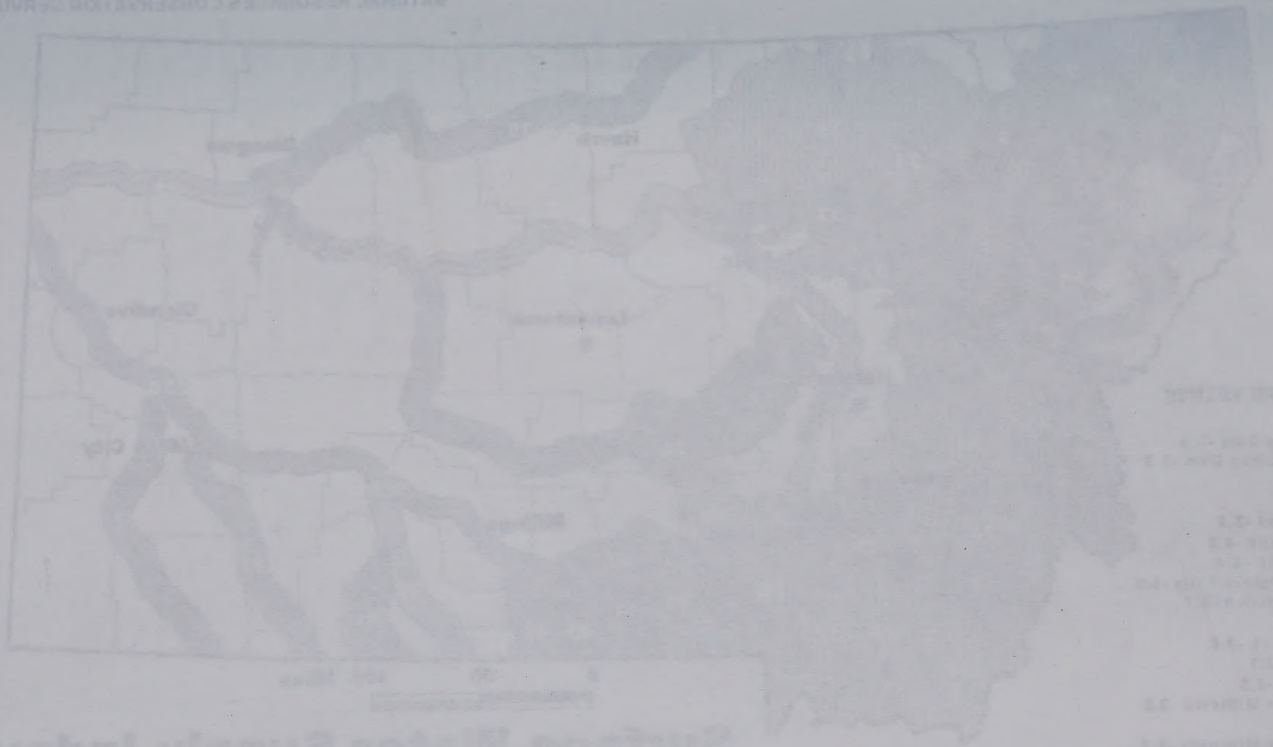

UNITED STATES DEPARTMENT OF AGRICULTURE

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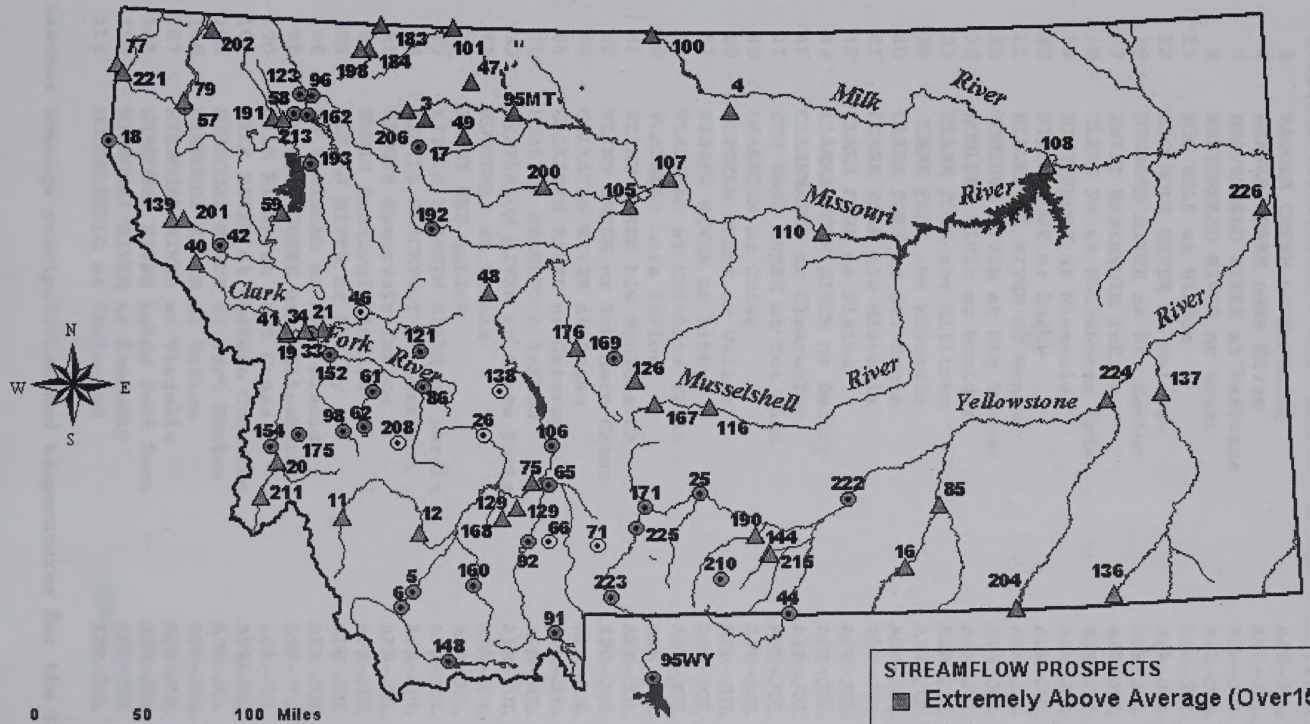
Streamflow Prospects for Montana



STREAMFLOW PROSPECTS

- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)
- No Data

Numbers represent individual station identification numbers.

Current as of April 1, 2001

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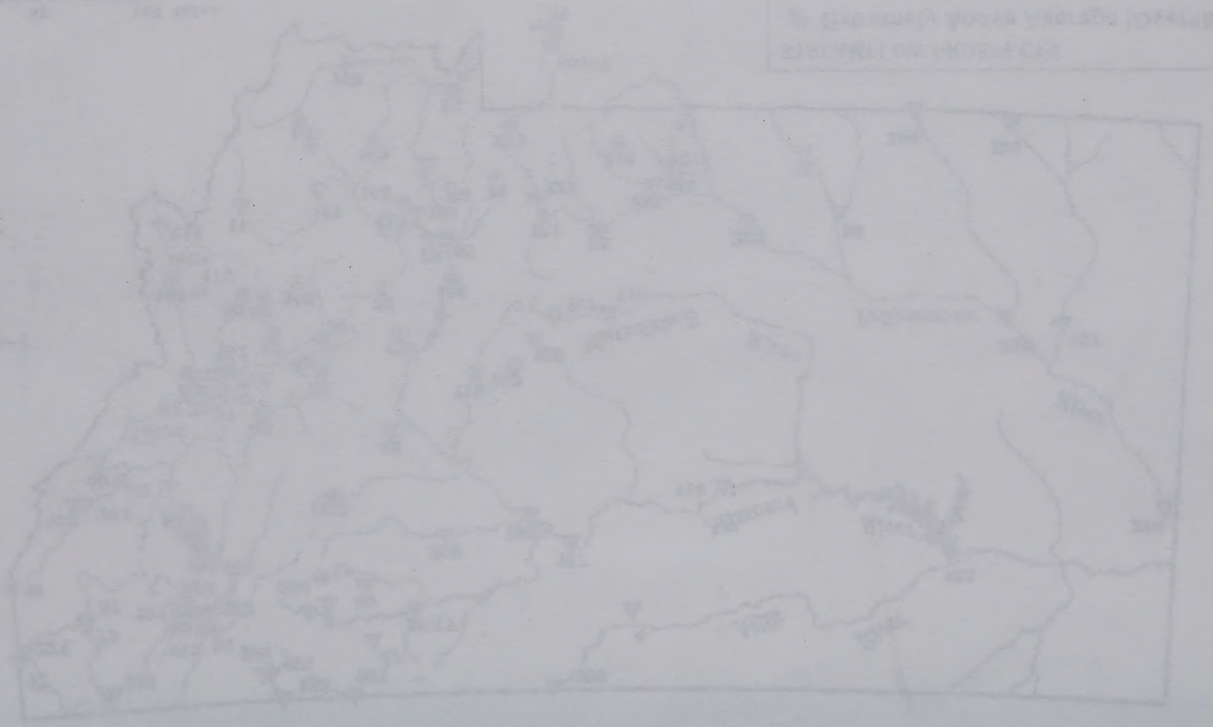


Streamflow Prospects April 1, 2001

ID	Forecast Point	Period	% of Average*
3	BADGER CREEK nr Browning	APR-JUL	43 to 50
4	BEAVER CREEK near Havre	APR-JUL	23 to 33
5	BEAVERHEAD RIVER at Barretts	APR-JUL	45 to 54
6	BEAVERHEAD RIVER nr Grant	APR-JUL	45 to 57
11	BIG HOLE at Wisdom	APR-JUL	34 to 50
12	BIG HOLE RIVER nr Melrose	APR-JUL	36 to 41
16	BIGHORN RIVER nr St. Xavier	APR-JUL	24 to 27
17	SWIFT RESERVOIR Inflow	APR-JUL	43 to 52
18	CLARK FK at Whitehorse Rpds	APR-JUL	49 to 52
19	BITTERROOT at Missoula	APR-JUL	48 to 48
20	BITTERROOT nr Darby	APR-JUL	42 to 46
21	BLACKFOOT RIVER nr Bonner	APR-JUL	44 to 48
25	BOULDER RIVER at Big Timber	APR-JUL	55 to 60
26	BOULDER RIVER nr Boulder	APR-JUL	57 to 73
33	CLARK FORK abv Milltown	APR-JUL	50 to 59
34	CLARK FORK abv Missoula	APR-JUL	44 to 49
40	CLARK FORK at St. Regis	APR-JUL	46 to 50
41	CLARK FORK blw Missoula	APR-JUL	45 to 48
42	CLARK FORK nr Plains	APR-JUL	48 to 51
44	CLARKS FORK RIVER nr Belfry	APR-JUL	55 to 58
46	CLEARWATER nr Clearwater	APR-JUL	65 to 76
47	CUT BANK CREEK at Cut Bank	APR-JUL	26 to 29
48	DEARBORN nr Craig	APR-JUL	38 to 50
49	DUPUYER CREEK nr Valier	APR-JUL	21 to 37
57	FISHER RIVER nr Libby	APR-JUL	46 to 51
58	FLATHEAD at Columbia Falls	APR-JUL	52 to 55
59	FLATHEAD Lake Inflow	APR-JUL	46 to 49
61	FLINT CREEK blw Boulder Ck	APR-JUL	58 to 70
62	FLINT CREEK nr Southern Cross	APR-JUL	52 to 64
65	GALLATIN RIVER at Logan	APR-JUL	51 to 59
66	GALLATIN RIVER nr Gateway	APR-JUL	63 to 71
71	HYALITE RESERVOIR Inflow	APR-JUL	66 to 71
75	JEFFERSON RIVER nr Three Forks	APR-JUL	36 to 41
77	KOOTENAI at Leonia	APR-JUL	45 to 47
79	LIBBY RES Inflow	APR-JUL	48 to 50
85	LITTLE BIGHORN RIVER nr Hardin	APR-JUL	36 to 50
86	LITTLE BLACKFOOT nr Garrison	APR-JUL	50 to 68
91	HEBGEN Reservoir Inflow	APR-JUL	64 to 68
92	ENNIS Reservoir Inflow	APR-JUL	63 to 67
95	MARIAS RIVER nr Shelby	APR-JUL	21 to 24
96	MF FLATHEAD nr West Glacier	APR-JUL	53 to 56
98	MF ROCK CREEK nr Philipsburg	APR-JUL	49 to 55
100	MILK RIVER at East Cross.	APR-JUL	25 to 26
101	MILK RIVER at Western Crossing	APR-JUL	24 to 28
105	MISSOURI RIVER at Fort Benton	APR-JUL	42 to 48
106	MISSOURI RIVER at Toston	APR-JUL	45 to 54
107	MISSOURI RIVER at Virgelle	APR-JUL	39 to 46
108	MISSOURI RIVER below Fort Peck	APR-JUL	39 to 45
110	MISSOURI RIVER nr Landusky	APR-JUL	40 to 47
116	MUSSELSHELL at Harlowton	APR-JUL	18 to 21

* Assumes average precipitation and temperatures for the forecast period.

ID	Forecast Point	Period	% of Average*
121	NEVADA CREEK nr Finn	APR-JUL	45 to 55
126	NF MUSSELSHELL nr Delpine	APR-JUL	37 to 46
136	POWDER RIVER at Moorehead	APR-JUL	11 to 14
137	POWDER RIVER near Locate	APR-JUL	11 to 12
138	PRICKLY PEAR CREEK nr Clancy	APR-JUL	63 to 74
139	PROSPECT CREEK at Thompson Falls	APR-JUL	36 to 39
144	COONEY RESERVOIR Inflow	APR-JUL	37 to 48
148	LIMA RESERVOIR Inflow	APR-JUL	48 to 57
152	ROCK CREEK nr Clinton	APR-JUL	48 to 54
154	COMO RESERVOIR Inflow	APR-JUL	62 to 67
160	RUBY RIVER Reservoir Inflow	APR-JUL	49 to 54
162	HUNGRY HORSE Reservoir Inflow	APR-JUL	54 to 57
167	SF MUSSELSHELL abv Martinsdale	APR-JUL	31 to 42
169	SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	51 to 57
171	SHIELDS RIVER nr Livingston	APR-JUL	52 to 65
175	SKALKAHO CK nr Hamilton	APR-JUL	47 to 53
176	SMITH RIVER abv Eagle Creek	APR-JUL	40 to 46
183	ST. MARY RIVER at US/CAN Border	APR-JUL	45 to 49
184	ST. MARY RIVER nr Babb	APR-JUL	45 to 48
190	STILLWATER RIVER nr Absarokee	APR-JUL	46 to 50
191	STILLWATER nr Whitefish	APR-JUL	25 to 29
192	GIBSON Reservoir Inflow	APR-JUL	50 to 54
193	SWAN RIVER nr Bigfork	APR-JUL	59 to 64
198	LAKE SHERBURNE Inflow	APR-JUL	44 to 47
200	TETON nr Dutton	APR-JUL	22 to 30
201	THOMPSON nr Thompson Falls	APR-JUL	28 to 30
202	TOBACCO RIVER nr Eureka	APR-JUL	35 to 39
204	TONGUE RIVER RESERVOIR Inflow	APR-JUL	41 to 48
206	TWO MEDICINE RIVER nr Browning	APR-JUL	34 to 40
208	WARM SPRINGS CK at Anaconda	APR-JUL	63 to 74
210	MYSTIC LAKE Reservoir Inflow	APR-JUL	54 to 57
211	WF BITTERROOT nr Conner	APR-JUL	38 to 43
213	WHITEFISH nr Kalispell	APR-JUL	43 to 48
215	LOWER WILLOW CK RES Inflow	APR-JUL	39 to 46
217	WILLOW CREEK Reservoir Inflow	APR-JUL	32 to 42
221	YAAK RIVER nr Troy	APR-JUL	34 to 37
222	YELLOWSTONE RIVER at Billings	APR-JUL	56 to 61
223	YELLOWSTONE RIVER at Corwin Spgs.	APR-JUL	58 to 62
224	YELLOWSTONE RIVER at Miles City	APR-JUL	41 to 45
225	YELLOWSTONE RIVER near Livingston	APR-JUL	56 to 61
226	YELLOWSTONE RIVER nr Sidney	APR-JUL	37 to 42
227	YELLOWSTONE at Lake Outlet	APR-JUL	54 to 58

* Assumes average precipitation and temperatures for the forecast period.

MONTANA SNOW COURSE AND SNOTEL DATA

APRIL 2001

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
ABE LINCOLN	4440	3/26/01	27	9.0*	18.5	--
ABUNDANCE LAKE	8800	3/27/01	44	12.1*	18.2	20.8
ALBRO LAKE PILLOW	8300	4/01/01	---	11.0	12.5	20.3
AMBROSE	6480	3/29/01	28	7.5	9.7	13.2
ASHLEY LAKE	4000	3/27/01	14	4.0	3.7	5.8
ARCH FALLS	7350	3/27/01	29	6.8	11.8	12.8
ASHLEY DIVIDE	4820	3/27/01	13	3.5	4.4	6.6
BADGER PASS PILLOW	6900	4/01/01	---	18.9*	30.0	36.5
BALD RIDGE	7500	4/01/01	---	10.0E	9.7	13.4
BANFIELD MTN PILLOW	5600	4/01/01	---	11.0*	17.8	20.2
BAREE CREEK	5500	3/29/01	59	23.7*	41.3	45.3
BAREE MIDWAY	4600	3/29/01	52	18.5	32.7	35.1
BAREE TRAIL	3800	3/29/01	20	7.8	9.4	8.4
BARKER LAKES PILLOW	8250	4/01/01	---	11.6	9.6	15.4
BASIN CREEK PILLOW	7180	4/01/01	---	6.8	7.4	8.7
BASSOO PEAK	5150	4/01/01	---	8.5E	8.8	11.3
BEAGLE SPGS PILLOW	8850	4/01/01	---	7.4	9.3	8.4
BEAR BASIN	8150	3/29/01	45	12.0*	20.6	21.4
BEAVER CREEK PILLOW	7850	4/01/01	---	11.7	16.2	18.3
BERRY MEADOW	7000	3/28/01	21	5.1	4.4	8.0
BIG CREEK	6750	4/01/01	---	30.9E	37.3	45.7
BIG SNOWY	7150	3/29/01	50	14.2	17.4	22.4
BISSON CREEK PILLOW	4920	4/01/01	---	8.3	10.0	10.2
BLACK BEAR PILLOW	7950	4/01/01	---	23.0	36.6	38.5
BLACK MOUNTAIN	7750	3/27/01	46	11.3	13.6	16.3
BLACK PINE PILLOW	7100	4/01/01	---	8.3	9.9	12.7
BLACKTAIL	5650	3/27/01	30	8.9	13.2	14.2
BLOODY DICK PILLOW	7550	4/01/01	---	6.8	11.6	12.6
BLUE LAKE	5900	3/31/01	47	13.7	18.6	25.3
BOTS SOTS	7750	3/30/01	23	4.1	6.9	8.2
BOULDER MTN PILLOW	7950	4/01/01	---	12.8	16.3	20.6
BOX CANYON PILLOW	6700	4/01/01	---	6.2	9.9	10.3
BOXELDER CREEK	5100	3/28/01	22	4.5	7.3	8.3
BRACKETT CR PILLOW	7320	4/01/01	---	14.4	20.4	21.2
BRANHAM LAKES	8850	3/28/01	61	18.5	29.2	30.2
BRISTOW CREEK	3900	3/27/01	15	5.1	8.9	9.4
BRUSH CREEK TIMBER	5000	3/29/01	18	5.0	6.8	9.5
BULL MOUNTAIN	6600	3/28/01	10	3.3	5.5	6.4
CABIN CREEK	5200	3/29/01	18	5.5	6.9	6.2
CALL ROAD	8050	4/01/01	---	9.0E	8.2	12.4
CALVERT CR PILLOW	6430	4/01/01	---	5.3	9.1	8.9
CAMP MISERY	6400	3/30/01	18	3.2*	54.8	49.0
CAMP SENIA	7890	3/30/01	18	2.1*	5.7	6.6
CARROT BASIN PILLOW	9000	4/01/01	---	17.0	24.5	28.3
CARTER CREEK	7400	3/26/01	17	3.2	5.8	5.9
CEDAR GROVE	3760	3/29/01	23	8.6	10.8	12.2
CHESSMAN RESERVOIR	6200	3/26/01	13	3.2	1.6	3.9
CHICKEN CREEK	4060	3/29/01	27	10.0	16.9	14.0
CLOVER MDW PILLOW	8800	4/01/01	---	13.1*	15.8	18.6
COLE CREEK PILLOW	7850	4/01/01	---	9.0*	11.2	17.3
COMBINATION PILLOW	5600	4/01/01	---	4.0	3.3	5.8
COPPER BOTTOM PILLOW	5200	4/01/01	---	8.0	11.5	11.7
COPPER CAMP PILLOW	6950	4/01/01	---	16.3*	29.9	34.9

Note: Sites with the "*" next to this years water content have set a new record low for April 1.

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
COPPER CREEK	5700	3/25/01	24	7.7	14.8	14.2
COPPER MOUNTAIN	7700	3/31/01	35	9.4	11.6	11.4
COTTONWOOD CREEK	6400	3/27/01	25	4.7*	7.8	8.8
CREVICE MOUNTAIN	8400	3/28/01	21	4.1*	9.2	10.9
CRYSTAL LAKE PILLOW	6050	4/01/01	---	11.7	12.7	12.8
DAD CREEK LAKE	8400	4/01/01	---	11.3E	13.0	15.1
DAISY PEAK	7600	3/28/01	25	5.6*	6.4	10.6
DAISY PEAK PILLOW	7600	4/01/01	---	6.1*	8.8	13.4
DALY CREEK PILLOW	5780	4/01/01	---	6.8	9.5	11.9
DARKHORSE LK. PILLOW	8700	4/01/01	---	17.9	28.8	33.7
DAVIS CREEK	5400	3/27/01	40	11.4*	23.1	24.3
DEADMAN CR PILLOW	6450	4/01/01	---	7.3	11.6	10.2
DESERT MOUNTAIN	5600	3/31/01	33	9.8	14.2	15.5
DISCOVERY BASIN	7050	3/30/01	31	8.6	8.2	11.3
DIVIDE PILLOW	7800	4/01/01	---	10.1	9.0	11.3
DIX HILL	6400	4/01/01	26	7.9	9.9	11.3
DUPUYER CREEK PILLOW	5750	4/01/01	---	7.5	7.2	12.9
EAGLE CREEK	7000	3/27/01	31	7.5*	11.2	14.4
EAST FORK R.S.	5400	3/23/01	12	3.3	5.6	5.6
EL DORADO MINE	7800	3/24/01	47	14.4	15.2	21.6
ELK PEAK	8000	3/29/01	36	9.3	9.0	17.3
EMERY CREEK PILLOW	4350	4/01/01	---	10.3	15.3	16.3
FATTY CREEK	5500	4/01/01	---	17.0E	21.4	24.3
FISH CREEK	8000	3/28/01	32	8.1	8.8	9.9
FISHER CREEK PILLOW	9100	4/01/01	---	18.8*	31.8	36.1
FIVE-BULL	5700	3/26/01	13	3.2	5.8	6.3
FLATTOP MTN PILLOW	6300	4/01/01	---	24.0*	41.4	47.1
FLEECER RIDGE	7500	3/28/01	24	5.5*	10.0	11.3
FOOLHEN	8280	3/27/01	39	10.9	12.4	17.1
FOREST LAKE	6400	3/27/01	26	6.0*	9.6	12.6
FOUR MILE	6900	3/27/01	15	3.1*	7.1	8.9
FOURTH OF JULY	3450	3/26/01	11	4.2	7.6	7.4
FRED BURR PASS	8000	3/30/01	54	15.7*	20.8	25.4
FREIGHT CREEK	6000	3/31/01	34	8.2	11.7	15.5
FROHNER MDWS PILLOW	6480	4/01/01	---	7.1	6.1	8.7
GARVER CREEK PILLOW	4250	4/01/01	---	5.6	9.5	10.1
GARVER CREEK	4250	3/27/01	16	5.5	9.1	10.2
GIBBONS PASS	7100	3/23/01	40	12.2	20.0	23.2
GOAT MOUNTAIN	7000	3/25/01	26	6.6	9.0	10.5
GOLD CREEK LAKE	7200	3/24/01	35	9.6	10.0	15.9
GOLD STONE	8100	4/01/01	---	9.3E	14.2	17.4
GRASSHOPPER	7000	3/29/01	17	3.6	2.8	6.2
GRAVE CRK PILLOW	4300	4/01/01	---	8.9	15.5	16.7
GRIFFIN CR DIVIDE	5150	4/01/01	---	7.4E	8.6	11.2
GUNSIGHT LAKE	6300	3/31/01	75	24.4*	37.4	40.0
HAND CREEK PILLOW	5030	4/01/01	---	8.3	12.1	13.3
HAWKINS LAKE PILLOW	6450	4/01/01	---	12.2*	20.3	29.0
HAYMAKER	8050	3/28/01	33	8.0	8.8	12.7
HEART LAKE TRAIL	4800	3/27/01	34	11.7	19.4	21.6
HEBGEN DAM	6550	3/30/01	17	5.1*	12.0	12.1
HELL ROARING DIVIDE	5770	3/30/01	48	14.0*	27.9	31.0
HERRIG JUNCTION	4850	3/29/01	38	12.0*	25.3	26.0
HOLBROOK	4530	3/31/01	22	6.0	9.6	9.0
HOODOO BASIN	6050	3/27/01	65	22.7	42.8	51.0
HOODOO BASIN PILLOW	6050	4/01/01	---	21.7*	39.8	47.0
INDEPENDENCE	7850	3/29/01	28	8.8*	13.9	18.3
INTERGAARD	6450	3/27/01	23	4.8	6.5	8.6

Note: Sites with the "*" next to this years water content have set a new record low for April 1.

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
KEELER CREEK	3300	3/28/01	25	9.0	17.4	10.8
KINGS HILL	7500	4/01/01	---	7.5E*	12.9	14.5
KISHENEHN	3890	3/28/01	15	4.1	5.9	7.0
KRAFT CREEK PILLOW	4750	4/01/01	---	11.9	15.0	15.3
LAKE CREEK	6100	4/01/01	---	3.5E*	8.4	8.5
LAKEVIEW CANYON	6930	3/29/01	20	4.5	8.1	12.3
LAKEVIEW RDG. PILLOW	7400	4/01/01	---	6.4	9.1	13.0
LEMHI RIDGE PILLOW	8100	4/01/01	---	8.5	9.2	11.1
LICK CREEK PILLOW	6860	4/01/01	---	8.7	11.0	14.4
LITTLE PARK	7400	3/29/01	37	10.3	14.8	16.3
LOGAN CREEK	4300	3/29/01	20	5.6	6.0	7.1
LONE MOUNTAIN PILLOW	8880	4/01/01	---	13.7	17.5	19.2
LOST HORSE	5940	3/27/01	44	13.7*	27.6	32.3
LOST SOUL	4800	3/27/01	24	7.7	12.7	15.3
LOWER TWIN PILLOW	7900	4/01/01	---	10.7*	14.7	18.6
LUBRECHT PILLOW	4680	4/01/01	---	1.9	.9	5.1
LUBRECHT FOREST NO 3	5450	3/28/01	18	4.5	5.1	6.8
LUBRECHT FOREST NO 4	4650	3/28/01	5	1.3	.7	2.1
LUBRECHT FOREST NO 6	4040	3/28/01	6	1.7	.8	2.3
LUBRECHT HYDROPLOT	4200	3/28/01	5	1.3	2.7	4.2
MADISON PLT PILLOW	7750	4/01/01	---	13.1	19.9	24.8
MANY GLACIER PILLOW	4900	4/01/01	---	10.0	12.8	16.6
MARIAS PASS	5250	3/29/01	32	12.1	15.2	17.4
MAYNARD CREEK	6210	3/27/01	31	8.3*	11.2	15.1
MIDDLE MILL CREEK	7850	3/28/01	35	9.1*	15.4	16.6
MILL CREEK	7500	3/31/01	37	9.6	12.1	13.7
MINERAL CREEK	4000	3/31/01	30	10.2	20.2	17.5
MONUMENT PK PILLOW	8850	4/01/01	---	13.0*	19.6	21.4
MOSS PEAK PILLOW	6780	4/01/01	---	25.4	34.8	38.4
MT LOCKHART PILLOW	6400	4/01/01	---	13.0	18.6	21.5
MUDD LAKE	7650	3/29/01	44	13.1	19.2	20.0
MULE CREEK PILLOW	8300	4/01/01	---	11.9	16.2	16.2
NEVADA RIDGE PILLOW	7020	4/01/01	---	11.4	15.8	14.2
NEW WORLD	6900	3/27/01	38	10.4	12.5	15.7
NEWTON MOUNTAIN	5600	3/26/01	44	14.4	35.1	35.6
NEZ PERCE CMP PILLOW	5650	4/01/01	---	9.5	14.7	15.1
NEZ PERCE CREEK	6600	3/31/01	19	4.4	6.0	7.1
NEZ PERCE PASS	6570	3/28/01	32	9.5	17.3	19.2
NOISY BASIN PILLOW	6040	4/01/01	---	24.5*	41.9	40.7
N.F. ELK CR PILLOW	6250	4/01/01	---	9.6	12.2	13.2
NF JOCKO PILLOW	6330	4/01/01	---	29.5	43.4	46.7
N.E. ENTRANCE PILLOW	7350	4/01/01	---	4.4*	10.9	9.2
NOTCH	8500	4/01/01	---	11.2E	13.0	16.4
OPHIR PARK	7150	4/01/01	41	11.5	13.8	18.0
PALISADE CREEK	8250	3/29/01	59	19.7	28.7	29.9
PICKET PIN LOWER	6200	3/29/01	17	4.1	2.9	3.0
PICKET PIN MIDDLE	7250	3/29/01	26	6.7	6.8	13.4
PICKET PIN UPPER	8100	3/29/01	42	11.2*	16.0	20.9
PICKFOOT CRK PILLOW	6650	4/01/01	---	7.6	8.7	11.0
PIKE CREEK PILLOW	5930	4/01/01	---	13.3*	23.4	27.9
PIPESTONE PASS	7200	4/01/01	18	4.2	5.2	5.9
PLACER BASIN PILLOW	8830	4/01/01	---	11.3*	17.9	19.1
POORMAN CREEK	5100	3/29/01	44	17.1	35.9	34.4
PORCUPINE PILLOW	6500	4/01/01	---	5.9	5.7	7.4
POTOMAGETON PARK	7150	4/01/01	18	6.3*	13.9	14.6
RED MOUNTAIN	6000	3/26/01	32	8.8	15.8	18.9
RED TOP	5260	3/26/01	37	12.4*	27.7	29.0

Note: Sites with the "*" next to this years water content have set a new record low for April 1.

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
ROCKER PEAK PILLOW	8000	4/01/01	---	11.9	10.8	15.3
ROCKY BOY PILLOW	4700	4/01/01	---	3.9	4.0	4.9
ROCKY BOY	4700	3/28/01	8	2.1	1.6	4.4
SACAJAWEA	6550	3/27/01	31	9.0*	12.4	14.6
SADDLE MTN PILLOW	7900	4/01/01	---	15.0	19.9	26.1
SHORT CREEK PILLOW	7000	4/01/01	---	4.3*	6.0	6.3
SHOWER FALLS PILLOW	8100	4/01/01	---	16.3	21.7	23.8
SKALKAHO PILLOW	7260	4/01/01	---	13.4	21.4	24.9
SLAG-A-MELT LAKE	8750	3/27/01	44	12.1	22.6	25.8
SLIDE ROCK MOUNTAIN	7100	3/24/01	28	7.4	11.0	16.7
SMUGGLER MINE	6960	3/28/01	31	8.0	8.5	10.5
S.F. SHIELDS PILLOW	8100	4/01/01	---	12.6*	13.4	17.9
SPOTTED BEAR MTN.	7000	3/31/01	38	11.6	13.9	14.9
SPUR PARK PILLOW	8100	4/01/01	---	13.7	18.9	22.2
SLEEPING WOMAN PILL	6150	4/01/01	---	10.3*	15.2	15.6
STAHL PEAK PILLOW	6030	4/01/01	---	17.2*	33.2	35.1
STAHL PEAK	6030	3/27/01	50	15.7*	39.2	39.7
STEMPLE PASS	6600	4/01/01	---	6.0	10.7	10.6
STORM LAKE	7780	3/30/01	40	10.2	10.4	14.0
STRYKER BASIN	6180	3/29/01	48	15.1*	30.6	34.6
STUART MOUNTAIN PILL	7400	4/01/01	---	22.6	30.6	30.9
SUCKER CREEK	3960	3/28/01	0	.0	.4	.4
TAYLOR ROAD	4080	3/28/01	0	.0	.5	2.2
TEN MILE LOWER	6600	3/26/01	22	5.4	4.6	7.8
TEN MILE MIDDLE	6800	3/26/01	30	7.8	7.2	12.2
TEPEE CREEK PILLOW	8000	4/01/01	---	9.5	13.6	13.4
TIMBERLINE CREEK	8850	4/01/01	---	7.7E*	13.4	14.8
TIZER BASIN PILLOW	6840	4/01/01	---	9.1	8.0	12.0
TRAIL CREEK	7090	4/01/01	---	7.1E	7.2	8.7
TRINKUS LAKE	6100	3/31/01	80	28.3*	41.6	43.4
TRUMAN CREEK	4060	3/27/01	12	3.4	3.4	3.5
TV MOUNTAIN	6800	4/01/01	---	12.6E	15.9	19.2
TWELVEMILE PILLOW	5600	4/01/01	---	9.0	17.6	18.6
TWENTY-ONE MILE	7150	3/28/01	28	7.8*	15.2	17.4
TWIN CREEKS	3580	3/31/01	25	8.0	12.4	10.3
TWIN LAKES PILLOW	6400	4/01/01	---	23.6*	40.6	40.4
UPPER HOLLAND LAKE	6200	3/31/01	68	21.4*	36.2	35.4
WALDRON PILLOW	5600	4/01/01	---	7.8	11.0	11.3
WARM SPRINGS PILLOW	7800	4/01/01	---	15.2*	18.4	22.3
WEASEL DIVIDE	5450	3/27/01	40	12.3*	32.8	33.8
WEST YELL'ST PILLOW	6700	4/01/01	---	5.3	9.9	11.6
WHISKEY CREEK PILLOW	6800	4/01/01	---	6.9*	15.0	17.5
WHITE MILL PILLOW	8700	4/01/01	---	13.2*	24.1	25.1
WHITE PINE RIDGE	8850	4/01/01	---	5.1E	5.0	5.8
WILLOW CREEK	6500	3/27/01	18	4.0	6.2	9.5
WOOD CREEK PILLOW	5960	4/01/01	---	6.4	8.5	12.2
WRONG CREEK	5700	3/27/01	24	7.4	10.8	13.6
WRONG RIDGE	6800	3/27/01	32	9.5	14.9	19.4

Note: Sites with the "*" next to this years water content have set a new record low for April 1.

Montana Water Supply Outlook Report as of April 1, 2001

Storms that Montana saw during March were light and scattered across the state. March was a month where we needed to receive a lot of wet spring moisture that did not occur in most areas. However, the first few days in April have produced more than 2 inches snow water in the northwest and north central regions. March air temperatures were mild and ranged from 2 to 4 degrees above average west of the Divide and 2 to 6 degrees above average east of the Divide. The north central region 5 to 6 degrees above average. March precipitaion was below to well below average.

Snowpack

As of APRIL 1, mountain snow water contents were quite low generally ranging from well below average to severely below average. Statewide snowpack is 58 percent of average and 65 percent of last year. West of the Divide snowpack was 57 percent of average and 62 percent of last year. East of the Divide snowpack was 59 percent of average and 70 percent of last year. There has been some melting of the snowpack at low mountain elevations but nothing significant at this point.

Snowpack extremes varied from a high of 71 percent of average and 92 percent of last year in the Headwaters Mainstem Missouri to a low of 45 percent of average and 73 percent of last year in the Yaak (Kootenai Basin) and Tobacco (Kootenai Basin) drainages. River basins setting new record low water contents are Kootenai, Flathead, Bitterroot, Gallatin, St. Mary, Upper Yellowstone, and Lower Yellowstone.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	57	62
KOOTENAI	51(1)	52
FLATHEAD	57(1)	61
UPPER CLARK FORK	64(T)	78
BITTERROOT	53(1)	59
LOWER CLARK FORK	57(1)	59
MISSOURI	60	72
MISSOURI HEADWATERS	61	71
JEFFERSON	63(2)	75
MADISON	56(2)	65
GALLATIN	62(1)	71
MISSOURI MAINSTEM	62	78
HEADWATERS MAINSTEM	71(3)	92
SMITH-JUDITH-MUSSELSHELL	62(2)	79
SUN-TETON-MARIAS	56(2)	69
MILK (Bearpaw Mtns.)	53	69
ST. MARY	54(1)	59
ST. MARY & MILK	54	61
YELLOWSTONE	57	68
UPPER YELLOWSTONE	58(1)	67
LOWER YELLOWSTONE (WYOMING)	56(1)	68
WIND	50	66
SHOSHONE	58	67
BIGHORN	60	69
TONGUE	62	70
POWDER	59	70

NOTE: The numbers in the ( ) above show the ranking of basins with respect to previous low years. The (T) is tied with the previous record low, (1) is a new record low, (2) is second lowest of record, and (3) is third lowest of record.

There have been significant snowpack increases that have occurred during the first three days of April. The area receiving the most benefit has been the north central where there has been a six to seven percent increase from April first. Snow water maximum increases in the north central area have been from two and a half to over 3 and a half inches. The southwest and south central areas increased one to three percent from April first. These types of storms are exactly what is needed to lessen the potential for severe water shortages this summer.

Precipitation

March mountain and valley precipitation across the state was 68 percent of average and 82 percent of last year, while the water year precipitation was 66 percent of average and 72 percent of last year. West of the Continental Divide, March mountain and valley precipitation was 73 percent of average and 86 percent of last year and the water year precipitation was 60 percent of average and 60 percent of last year. East of the Divide, March mountain and valley precipitation was 64 percent of average and 79 percent of last year and the water year precipitation was 71 percent of average and 83 percent of last year.

RIVER BASIN	MARCH % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	73	60
KOOTENAI	63	45
FLATHEAD	78	58
UPPER CLARK FORK	75	74
BITTERROOT	77	63
LOWER CLARK FORK	65	56
MISSOURI	61	71
JEFFERSON	69	76
MADISON	52	67
GALLATIN	70	67
MISSOURI MAINSTEM	57	81
SMITH-JUDITH-MUSSELSHELL	66	74
SUN-TETON-MARIAS	65	62
MILK	39	67
ST. MARY	65	47
YELLOWSTONE	72	71
UPPER YELLOWSTONE	73	66
LOWER YELLOWSTONE	68	71
WIND	43	52
SHOSHONE	78	75
BIGHORN	78	71
TONGUE	68	69
POWDER	67	71

Reservoirs

Major reservoir storages statewide was 121 percent of average and 122 percent of last year. The reason reservoirs are above average is that reservoir operators are doing a great job anticipating low inflows and are bringing the storage up earlier than normal. Reservoir storage west of the Continental Divide was 139 percent of average and 147 percent of last year. East of the Continental Divide, reservoir storage was 97 percent of average and 92 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	139	147
KOOTENAI	144	183
FLATHEAD	138	133
UPPER CLARK FORK	87	174
BITTERROOT	80	110
LOWER CLARK FORK	132	95
MISSOURI	95	91
JEFFERSON	79	71
MADISON	107	90
GALLATIN	117	125
MISSOURI MAINSTEM	99	100
SMITH-JUDITH-MUSSELSHELL	45	45
SUN-TETON-MARIAS	101	89
MILK	29	40
ST. MARY	51	75
YELLOWSTONE	108	95
UPPER YELLOWSTONE	120	115
LOWER YELLOWSTONE	107	94

Streamflow

Spring and summer streamflows are expected to be well below average to severely below average. Should the current streamflow forecasts hold true for this spring and summer there will be severe water shortages. Water users and water managers need to have alternatives in place that account for below to well below average streamflow conditions. Recreational water users should be flexible and if possible plan activities earlier in the spring and summer to maximize this summers potential low water conditions.

West of the Continental Divide, streamflow forecasts average between 46 and 50 percent of average and east of the Continental Divide, average between 37 and 43 percent of average. Across the state streamflow forecasts average between 43 and 47 percent.

Below are river basin streamflow forecast averages for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	46 to 50	80 to 89
KOOTENAI	42 to 45	89 to 97
FLATHEAD	47 to 51	87 to 94
UPPER CLARK FORK	50 to 59	59 to 73
BITTERROOT	47 to 51	79 to 88
LOWER CLARK FORK	42 to 45	84 to 91
MISSOURI	46 to 54	67 to 80
JEFFERSON	42 to 52	52 to 68
MADISON	64 to 68	80 to 86
GALLATIN	62 to 69	78 to 87
MISSOURI MAINSTEM	44 to 52	65 to 79
SMITH-JUDITH-MUSSELSHELL	35 to 42	62 to 78
SUN-TETON-MARIAS	32 to 40	67 to 84
MILK	24 to 29	25 to 42
ST. MARY	45 to 48	73 to 79
YELLOWSTONE	42 to 46	63 to 75
UPPER YELLOWSTONE	52 to 58	71 to 81
LOWER YELLOWSTONE	32 to 35	55 to 69

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above is what was forecast last year, not what actually occurred.

Surface Water Supply Index

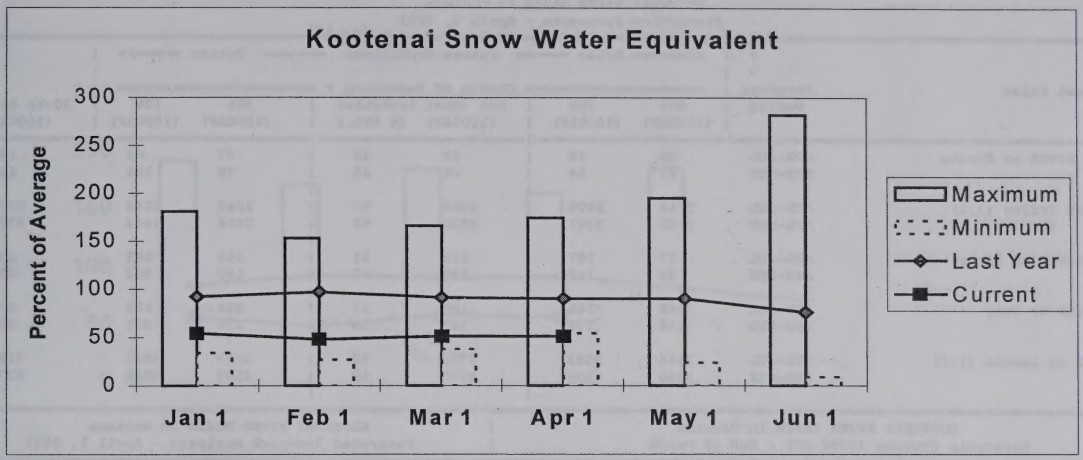
The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

SWSI	Basin
-3.4	Kootenai River at Ft. Steele (Kootenai in Canada)
-3.9	Tobacco River
-3.4	Kootenai Ft. Steele to Libby Dam
-2.3	Kootenai River below Libby Dam
-3.1	Fisher River
-3.4	Yaak River
-3.8	North Fork Flathead River
-3.8	Middle FORK Flathead River
-2.4	South Fork Flathead River
-3.3	Flathead River at Columbia Falls
-3.7	Stillwater/Whitefish Rivers
-3.9	Swan River
-3.0	Flathead River at Polson
-3.1	Mission Valley
-2.6	Little Bitterroot River
-2.9	Clark Fork River above Milltown
-3.8	Blackfoot River
-3.4	Clark Fork River above Missoula
-3.7	Bitterroot River
-3.5	Clark Fork River below Bitterroot River
-2.9	Clark Fork River below Flathead River
-2.4	Beaverhead River
-2.6	Ruby River
-3.8	Big Hole River
-2.9	Boulder River (Jefferson)
-3.3	Jefferson River
-2.1	Madison River
-2.9	Gallatin River
-2.8	Missouri River above Canyon Ferry
-2.4	Missouri River below Canyon Ferry
-3.0	Smith River
-3.0	Sun River
-3.6	Teton River
-3.5	Birch/Dupuyer Creeks
-2.4	Marias River
-3.1	Musselshell River
-1.6	Missouri River above Ft. Peck
-1.7	Missouri River below Ft. Peck
-3.0	Milk River
-3.8	Dearborn River near Craig
-3.1	Yellowstone River above Livingston
-2.7	Shields River
-3.4	Boulder River (Yellowstone)
-3.6	Stillwater River
-3.1	Rock/Red Lodge Creeks
-3.8	Clarks Fork River
-3.3	Yellowstone River above Bighorn River
-2.7	Bighorn River below Bighorn Lake
-3.3	Little Bighorn River
-3.0	Yellowstone River below Bighorn River
-3.0	Tongue River
-3.8	Powder River

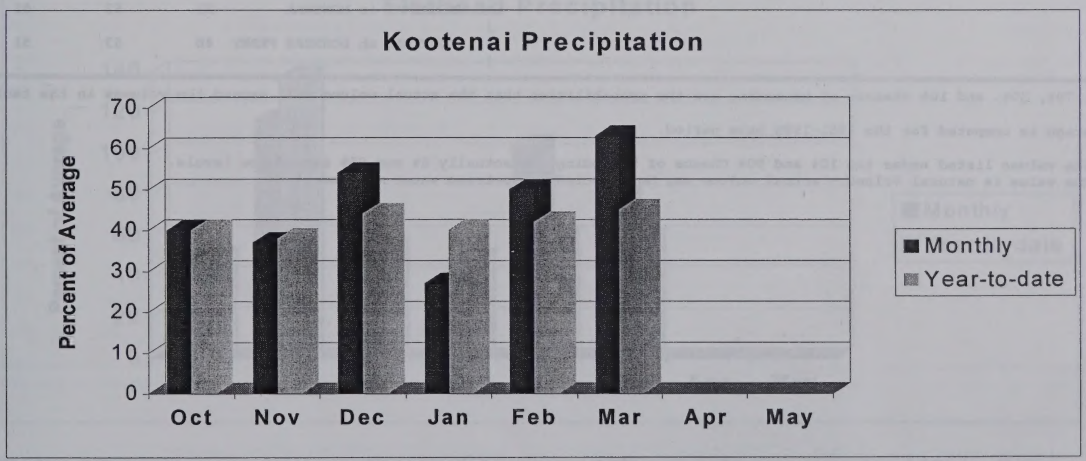
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were well below average and have set a new record low preciously set in 1977. Snow water content was 51 percent of average and 52 percent of last year. Snow storms during the first three days in April increased the basin average 4 percent.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during March was 64 percent of average and 56 percent of last year. Valley precipitation during March was 50 percent of average and 88 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 45 percent of average and 43 percent of last year.



Lake Koocanusa storage was 144 percent of average and 183 percent of last year.

Surface Water Supply Index (SWSI) was -3.4 in the Kootenai at Ft. Steele (Kootenai in Canada); -3.9 in the Tobacco River; -3.4 in the Kootenai Ft. Steele to Libby Dam; -2.3 in the Kootenai River below Libby Dam; -3.1 in the Fisher River; and -3.4 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	38	46	52	39	67	89	133
	APR-SEP	43	54	61	42	78	103	147
LIBBY RES Inflow (1,2)	APR-JUL	2714	2890	3010	52	3240	3746	5779
	APR-SEP	3162	3381	3530	52	3816	4446	6772
FISHER RIVER nr Libby	APR-JUL	87	107	120	51	146	185	234
	APR-SEP	96	117	132	53	160	200	250
YAAK RIVER nr Troy	APR-JUL	142	165	180	37	221	282	483
	APR-SEP	154	178	195	39	238	301	505
KOOTENAI at Leonia (1,2)	APR-JUL	3346	3563	3710	52	3993	4617	7199
	APR-SEP	3850	4100	4270	52	4597	5316	8275

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3090.0	1692.0	2141.0

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	25	55	51
KOOTENAI MAINTSTEM	8	52	54
TOBACCO	3	47	45
FISHER	5	60	57
YAAK	8	50	45
KOOTENAI in MONTANA	23	52	51
KOOTENAI ab BONNERS FERRY	48	53	51

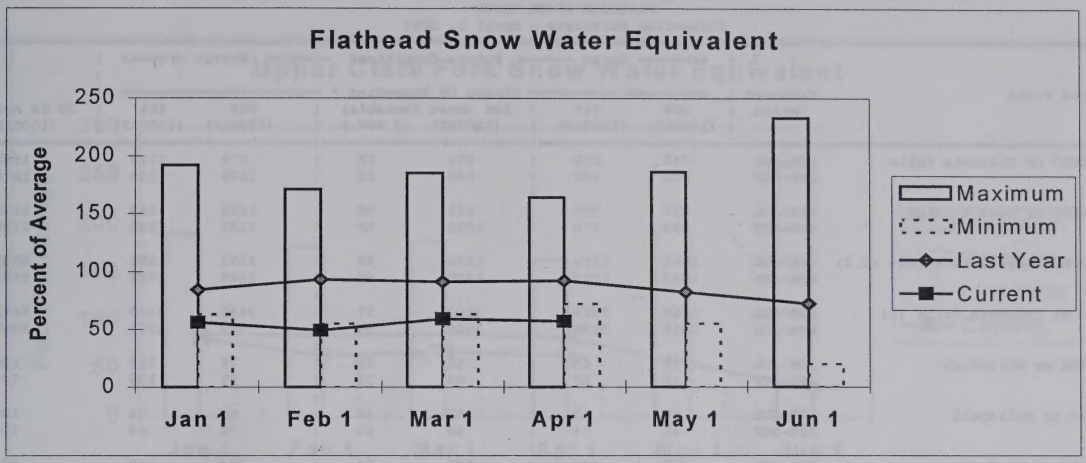
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

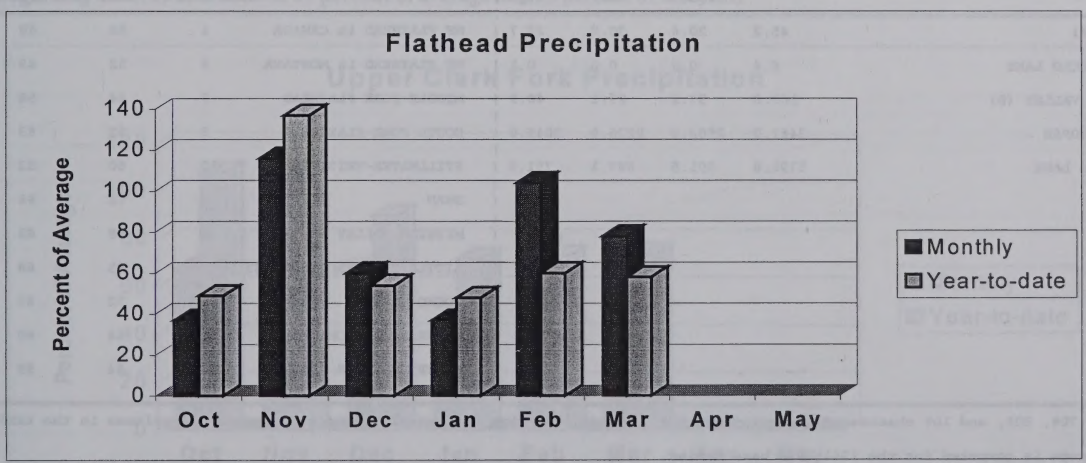
Flathead River Basin

Snowpack conditions in the Flathead River Basin were well below average and have set a new record low previously set in 1992, 1993, and 1998. Snow water content was 57 percent of average and 61 percent of last year. Storms the first three days of April increased the basin average by 4 percent.



January maximum swe was established in 1997 and minimum was in 1988; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum was in 1992; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during March was 78 percent of average and 75 percent of last year. Valley precipitation during March was 78 percent of average and 93 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 58 percent of average and 53 percent of last year.



Combined Camas reservoir storage was 86 percent of average and 68 percent of last year; combined Mission Valley reservoir storage was 91 percent of average and 128 percent of last year; Hungry Horse storage was 146 percent of average and 134 percent of last year; and Flathead Lake storage was 120 percent of average and 131 percent of last year.

Surface Water Supply Index (SWSI) was -3.8 in the North Fork Flathead River; -3.8 in the Middle Fork Flathead River; -2.4 in the South Fork Flathead River; -3.3 in the Flathead River at Columbia Falls; -3.7 in the Stillwater/Whitefish Rivers; -3.9 in the Swan River; -3.0 in the Flathead River at Polson; -3.1 in the Mission Valley; and -2.6 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	742	818	870	52	970	1117	1662
	APR-SEP	816	902	960	52	1070	1233	1836
MF FLATHEAD nr West Glacier	APR-JUL	834	900	945	58	1025	1143	1638
	APR-SEP	903	979	1030	58	1120	1253	1788
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1061	1156	1220	60	1333	1581	2051
	APR-SEP	1096	1217	1300	60	1445	1764	2184
FLATHEAD at Columbia Falls (2)	APR-JUL	2645	2916	3100	57	3435	3928	5482
	APR-SEP	2811	3138	3360	56	3757	4341	5960
STILLWATER nr Whitefish	APR-JUL	38	48	55	29	79	114	189
	APR-SEP	45	57	65	31	91	130	209
WHITEFISH nr Kalispell	APR-JUL	38	45	50	48	60	75	104
	APR-SEP	45	54	60	52	72	89	116
SWAN RIVER nr Bigfork	APR-JUL	300	342	370	64	414	480	583
	APR-SEP	333	373	400	60	445	511	665
FLATHEAD Lake Inflow (1,2)	APR-JUL	3100	3320	3470	54	3775	4448	6390
	APR-SEP	3341	3596	3770	54	4124	4905	6926

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	20.4	30.2	23.7
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)	100.0	37.2	29.1	40.9
HUNGRY HORSE	3451.0	2983.0	2226.0	2046.0
FLATHEAD LAKE	1791.0	901.5	687.1	751.9

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	4	56	48
NF FLATHEAD in MONTANA	9	52	49
MIDDLE FORK FLATHEAD	7	64	56
SOUTH FORK FLATHEAD	9	62	63
STILLWATER-WHITEFISH	10	60	53
SWAN	9	66	64
MISSION VALLEY	5	78	68
LITTLE BITTERROOT-ASHLEY	6	85	68
JOCKO	5	72	66
FLATHEAD in MONTANA	43	64	60
FLATHEAD RIVER BASIN	47	64	59

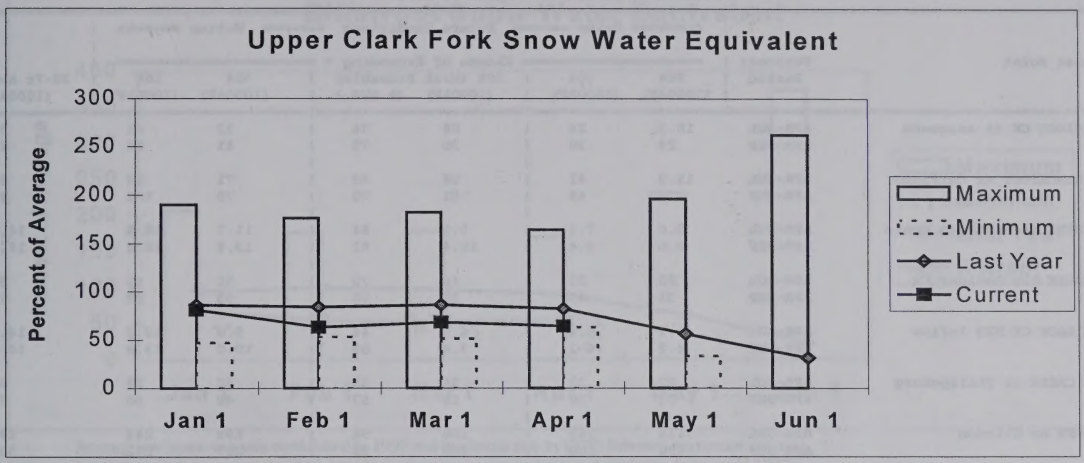
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

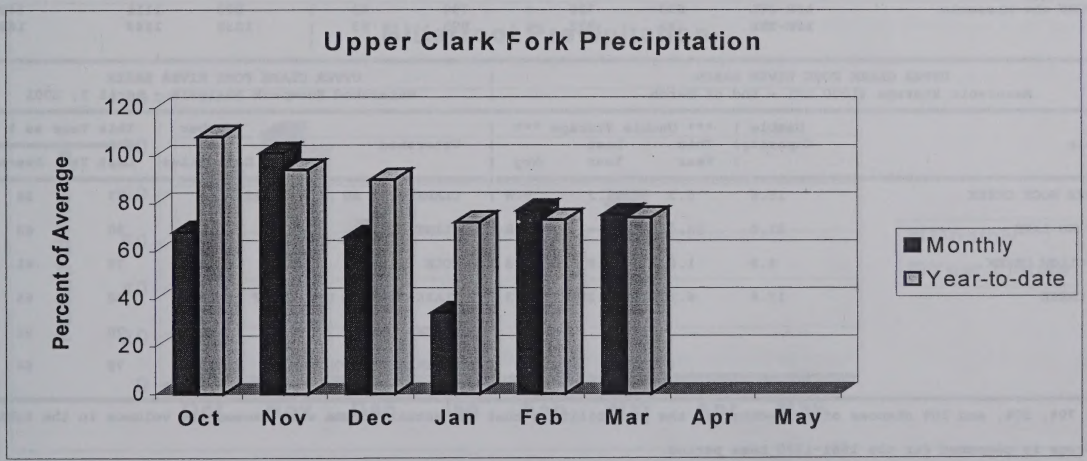
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well below average and tied with 1994 for the record low. Snow water content was 64 percent of average and 78 percent of last year. Storms the first three days in April increased the basin snowpack 2 percent.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during March was 74 percent of average and 108 percent of last year. Valley precipitation during March was 86 percent of average and 138 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 89 percent of average and 79 percent of last year.



East Fork Rock Creek storage was 54 percent of average and 47 percent of last year; Georgetown Lake was 102 percent of average; Lower Willow Creek was 70 percent of average and 57 percent of last year; and Nevada Creek storage was 84 percent of average and 75 percent of last year.

Surface Water Supply Index (SWSI) was -2.9 in the Clark Fork River above Milltown; -3.8 in the Blackfoot River; and -3.4 in the Clark Fork River above Missoula.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WARM SPRINGS CK at Anaconda	APR-JUL	18.3	24	28	74	33	41	38
	APR-SEP	24	30	35	75	41	50	47
LITTLE BLACKFOOT nr Garrison	APR-JUL	19.3	41	56	68	71	93	83
	APR-SEP	22	46	62	70	78	102	89
FLINT CREEK nr Southern Cross	APR-JUL	5.0	7.4	9.1	64	11.7	15.6	14.2
	APR-SEP	5.5	8.4	10.4	62	13.6	18.4	16.7
FLINT CREEK blw Boulder Ck	APR-JUL	23	33	40	70	50	65	57
	APR-SEP	31	43	51	70	63	80	73
LOWER WILLOW CK RES Inflow	APR-JUL	3.7	5.4	6.5	46	9.0	12.6	14.0
	APR-SEP	4.2	6.1	7.4	50	10.0	13.8	14.8
MF ROCK CREEK nr Philipsburg	APR-JUL	27	32	36	55	43	52	66
	APR-SEP	32	38	42	57	49	60	74
ROCK CREEK nr Clinton	APR-JUL	115	142	160	54	194	243	296
	APR-SEP	130	160	180	54	217	272	333
NEVADA CREEK nr Finn	APR-JUL	5.7	8.5	10.4	55	13.9	19.0	19.1
	APR-SEP	6.6	9.6	11.7	56	15.4	21	21
CLEARWATER nr Clearwater	APR-JUL	85	112	130	76	148	175	172
	APR-SEP	89	116	135	75	154	181	181
BLACKFOOT RIVER nr Bonner	APR-JUL	315	366	400	48	484	607	835
	APR-SEP	349	406	445	48	535	667	926
CLARK FORK abv Milltown	APR-JUL	236	325	385	59	487	638	652
	APR-SEP	276	376	445	59	559	728	755
CLARK FORK abv Missoula	APR-JUL	633	726	790	53	920	1111	1487
	APR-SEP	715	822	895	53	1038	1249	1681

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	5.3	11.2	9.8
GEORGETOWN LAKE	31.0	25.4	---	24.8
LOWER WILLOW CREEK	4.9	1.6	2.8	2.3
NEVADA CREEK	12.6	6.1	8.1	7.3

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	16	87	68
FLINT CREEK	7	90	68
ROCK CREEK	6	75	61
CLARK FORK ab BLACKFOOT	25	83	65
BLACKFOOT	16	70	62
UPPER CLARK FORK BASIN	39	78	64

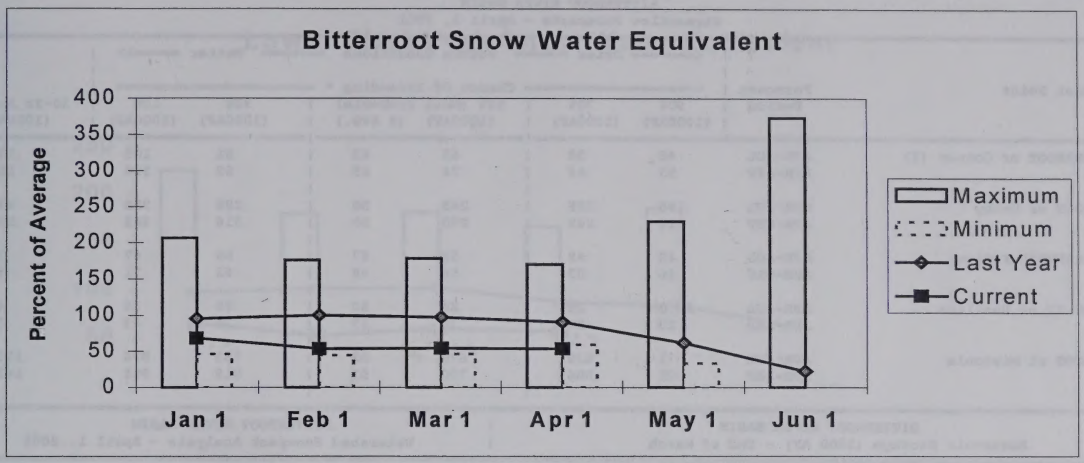
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

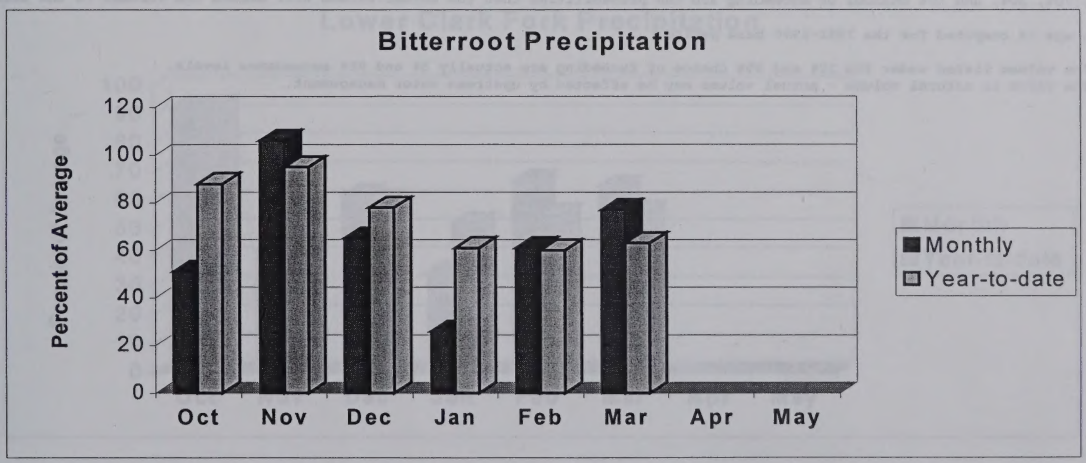
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well below average and have set a new record low previously set in 1977. Snow water content was 53 percent of average and 59 percent of last year. Storms the first three days of April increased the basin snowpack by 1 percent.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1977; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987 and 1992. Average is for the period 1961 through 1990.

Mountain precipitation during March was 76 percent of average and 103 percent of last year. Valley precipitation during March was 88 percent of average and 216 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 63 percent of average and 66 percent of last year.



Painted Rocks Lake storage was 81 percent of average and 105 percent of last year and Como storage was 79 percent of average and 116 percent of last year.

Surface Water Supply Index (SWSI) was -3.7 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	48	58	65	43	81	105	152
	APR-SEP	53	66	74	45	93	120	166
BITTERROOT nr Darby	APR-JUL	195	225	245	50	289	355	491
	APR-SEP	218	249	270	50	316	383	540
COMO RESERVOIR Inflow	APR-JUL	43	49	53	67	59	67	79
	APR-SEP	46	52	56	68	62	71	83
SKALKAHO CK nr Hamilton	APR-JUL	18.0	22	24	53	29	36	46
	APR-SEP	23	27	30	57	35	43	53
BITTERROOT at Missoula	APR-JUL	571	630	670	52	753	876	1300
	APR-SEP	622	686	730	51	819	951	1420

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	11.0	10.5	13.6
COMO	34.9	12.2	10.5	15.5

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	66	56
EAST SIDE BITTERROOT	6	68	55
WEST SIDE BITTERROOT	4	52	50
BITTERROOT RIVER BASIN	12	59	53

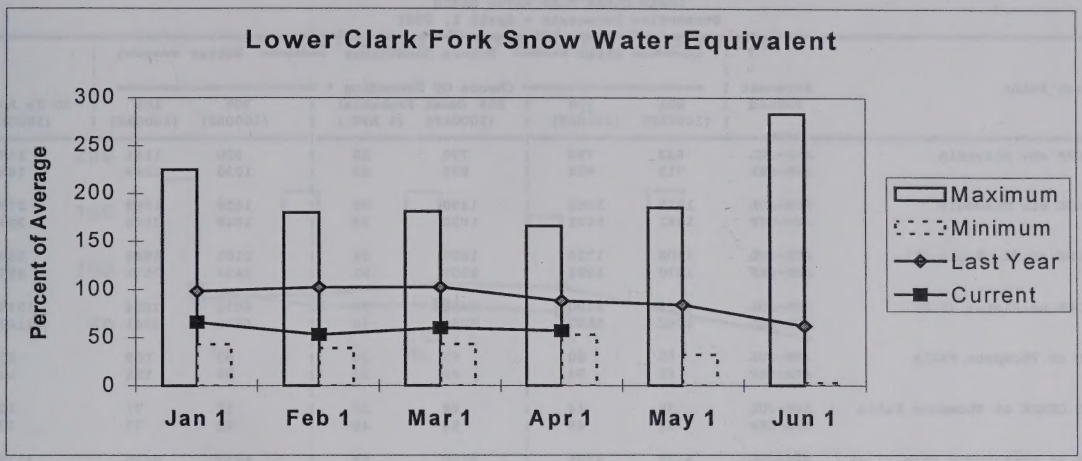
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

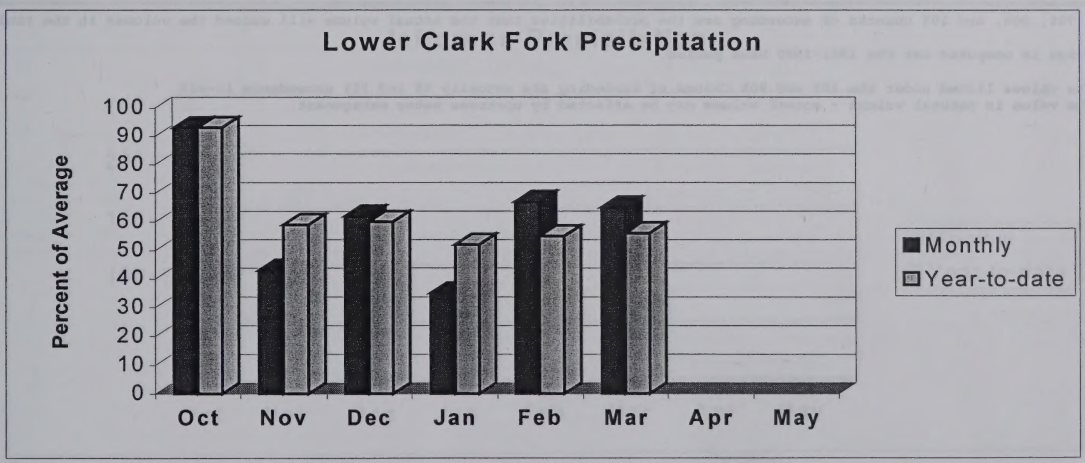
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average and have set a new record low previously set in 1981. Snow water content was 57 percent of average and 59 percent of last year. Storms the first three days of April increased the basin snowpack by 2 percent.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1961 through 1990.

Mountain precipitation during March was 69 percent of average and 100 percent of last year. Valley precipitation during March was 25 percent of average and 56 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 56 percent of average and 56 percent of last year.



Noxon Rapids storage was 132 percent of average and 95 percent of last year.

Surface Water Supply Index (SWSI) was -3.5 in the Clark Fork River below Bitterroot River and -2.9 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK abv Missoula	APR-JUL	633	726	790	53	920	1111	1487
	APR-SEP	715	822	895	53	1038	1249	1681
CLARK FORK blw Missoula	APR-JUL	1225	1365	1460	52	1658	1949	2788
	APR-SEP	1361	1521	1630	53	1848	2168	3099
CLARK FORK at St. Regis (1)	APR-JUL	1508	1729	1880	51	2181	2844	3686
	APR-SEP	1670	1926	2100	51	2434	3171	4095
CLARK FORK nr Plains (1,2)	APR-JUL	4613	5100	5430	52	6078	7504	10450
	APR-SEP	5062	5597	5960	52	6672	8241	11470
THOMPSON nr Thompson Falls	APR-JUL	52	60	65	30	83	109	214
	APR-SEP	65	74	80	33	98	125	240
PROSPECT CREEK at Thompson Falls	APR-JUL	39	44	48	39	57	71	123
	APR-SEP	43	49	53	40	63	77	132
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	5132	5709	6100	52	6853	8510	11730
	APR-SEP	5646	6279	6710	52	7538	9362	12910

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	306.2	323.4	231.3

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	14	59	57

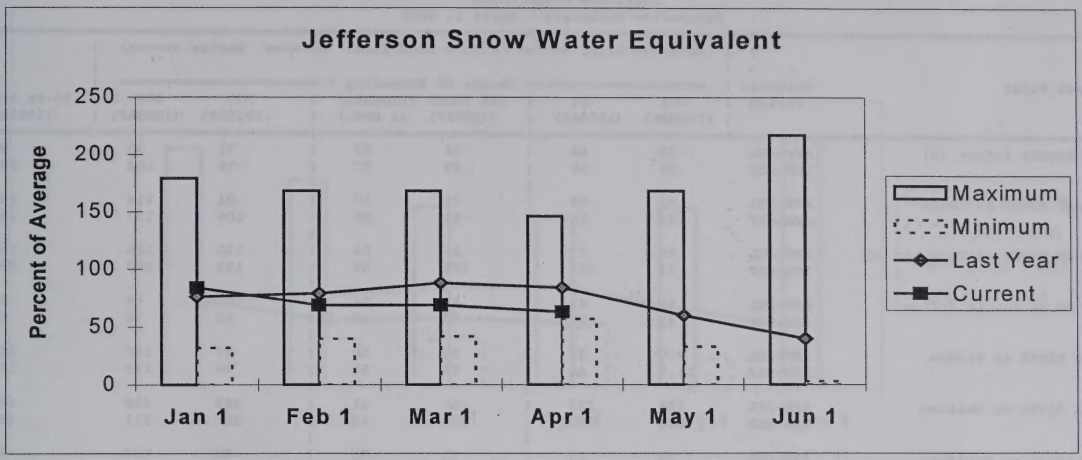
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

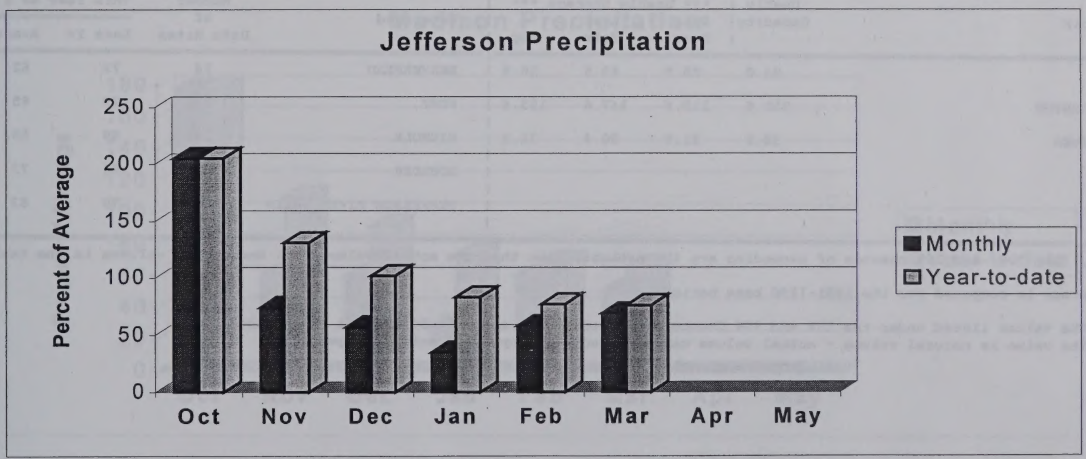
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were well below average and second lowest of record behind 1977. Snow water content was 63 percent of average and 75 percent of last year. Storms the first three days of April increased the basin snowpack 3 percent.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during March was 69 percent of average and 94 percent of last year. Valley precipitation during March was 60 percent of average and 67 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 76 percent of average and 90 percent of last year.



Lima storage was 69 percent of average and 52 percent of last year; Clark Canyon storage was 78 percent of average and 71 percent of last year; and Ruby River storage was 99 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was -2.4 in the Beaverhead River; -2.6 in the Ruby River; -3.8 in the Big Hole River; -2.9 in the Boulder River; and -3.3 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	50% (Most Probable) (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	33	46	55	57	71	93	97
	APR-SEP	35	50	60	57	78	104	105
BEAVERHEAD RIVER nr Grant	APR-JUL	36	59	75	57	91	114	132
	APR-SEP	33	64	85	55	106	137	155
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	55	77	92	54	120	160	172
	APR-SEP	73	101	120	59	152	200	203
RUBY RIVER Reservoir Inflow	APR-JUL	34	41	45	54	53	66	83
	APR-SEP	42	50	55	56	65	79	99
BIG HOLE RIVER at Wisdom	APR-JUL	9.0	37	55	50	92	146	110
	APR-SEP	11.0	40	60	51	99	155	117
BIG HOLE RIVER nr Melrose	APR-JUL	186	233	265	41	343	458	641
	APR-SEP	209	263	300	43	385	511	697
BOULDER RIVER nr Boulder	APR-JUL	29	49	62	73	80	107	85
	APR-SEP	31	52	67	74	87	116	91
WILLOW CREEK Reservoir Inflow	APR-JUL	2.7	5.6	7.5	42	12.1	18.9	17.7
	APR-SEP	2.9	6.5	8.9	45	14.3	22	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	290	356	400	41	508	668	985
	APR-SEP	323	399	450	45	564	733	1012

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	25.5	49.5	36.9
CLARK CANYON	255.6	119.6	167.6	153.6
RUBY RIVER	38.8	31.0	30.4	31.2

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	16	73	62
RUBY	11	79	65
BIGHOLE	20	69	59
BOULDER	9	94	73
JEFFERSON RIVER BASIN	47	75	63

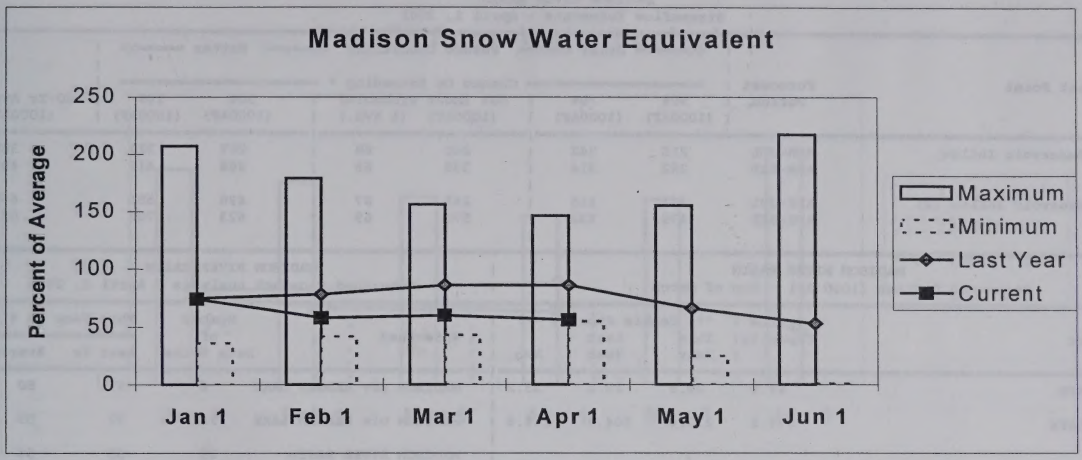
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

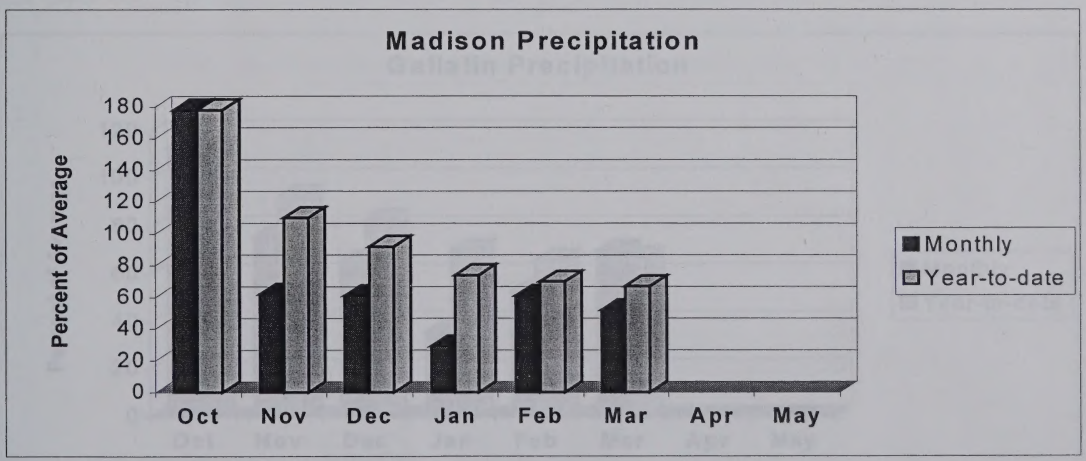
Madison River Basin

Snowpack conditions in the Madison River Basin were well below average and the second lowest of record behind 1977. Snow water content was 56 percent of average and 65 percent of last year. Storms the first three days of April increased the basin snowpack by 1 percent.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain and valley precipitation during March was 52 percent of average and 61 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 67 percent of average and 79 percent of last year.



Ennis Lake storage was 90 percent of average and 102 percent of last year and Hebgen Lake storage was 110 percent of average and 89 percent of last year.

Surface Water Supply Index (SWSI) was -2.1 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	215	242	260	68	287	327	380
	APR-SEP	282	314	335	69	366	412	486
ENNIS Reservoir Inflow (2)	APR-JUL	371	415	445	67	490	555	662
	APR-SEP	479	533	570	69	623	702	831

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	29.9	29.2	33.2
HEBGEN LAKE	377.5	270.4	304.7	246.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	57	50
MADISON blw HEBGEN LAKE	12	70	59
MADISON RIVER BASIN	18	65	56

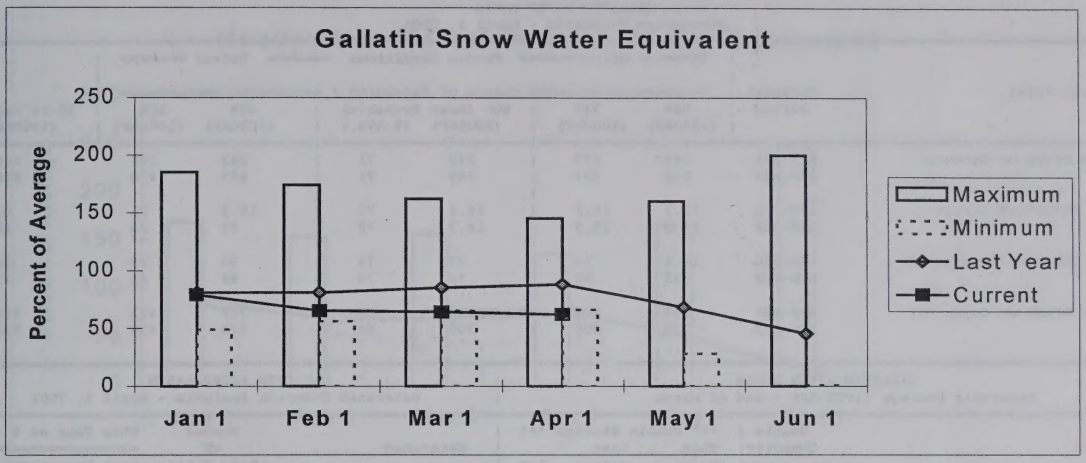
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

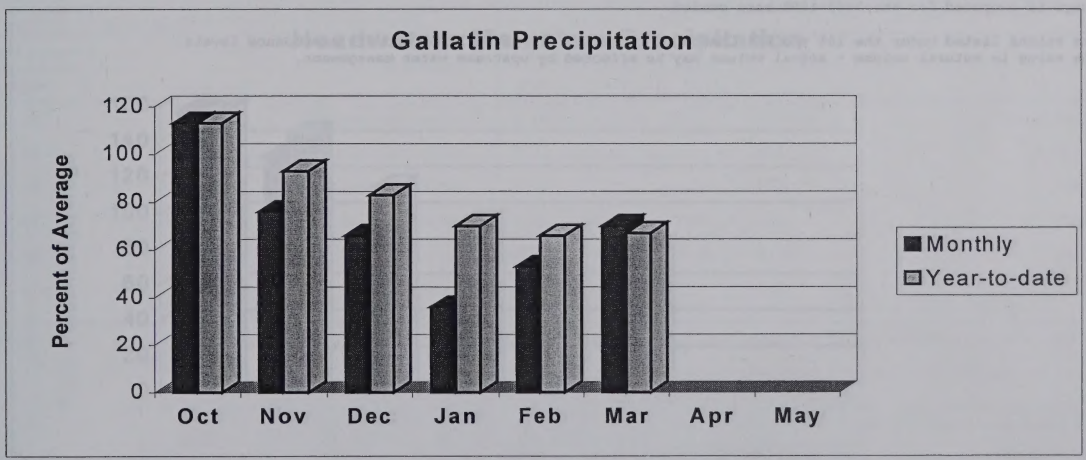
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were well below average and have set a new record low previously set in 1987. Snow water content was 62 percent of average and 71 percent of last year. Storms the first three days of April increased the basin snowpack by 1 percent.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1981; March maximum swe was in 1997 and minimum was in 1977 and 1987; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during March was 71 percent of average and 76 percent of last year. Valley precipitation during March was 52 percent of average and 46 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 67 percent of average and 81 percent of last year.



Middle Creek storage was 117 percent of average and 125 percent of last year.

Surface Water Supply Index (SWSI) was -2.9 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	229	277	310	71	343	391	440
	APR-SEP	272	327	365	71	403	458	518
HYALITE RESERVOIR Inflow	APR-JUL	13.1	15.1	16.4	71	18.3	21	23
	APR-SEP	14.8	16.9	18.3	70	20	23	26
HYALITE CREEK nr Bozeman (2)	APR-JUL	19.8	24	27	74	30	36	36
	APR-SEP	23	28	31	73	35	41	42
GALLATIN RIVER at Logan (2)	APR-JUL	197	255	295	59	362	461	498
	APR-SEP	239	305	350	60	425	536	581

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	7.4	5.9	6.3

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	68	60
HYALITE	4	74	63
BRIDGER	3	73	62
GALLATIN RIVER BASIN	14	71	62

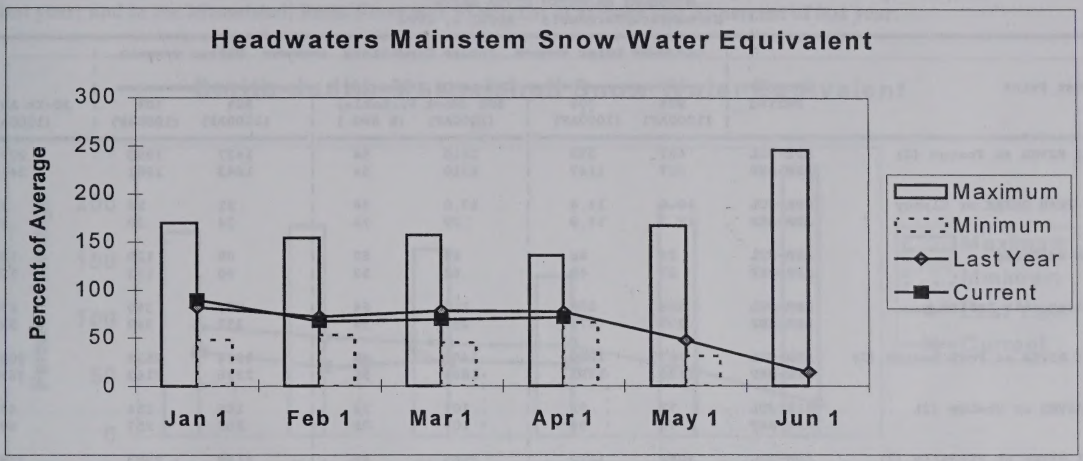
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

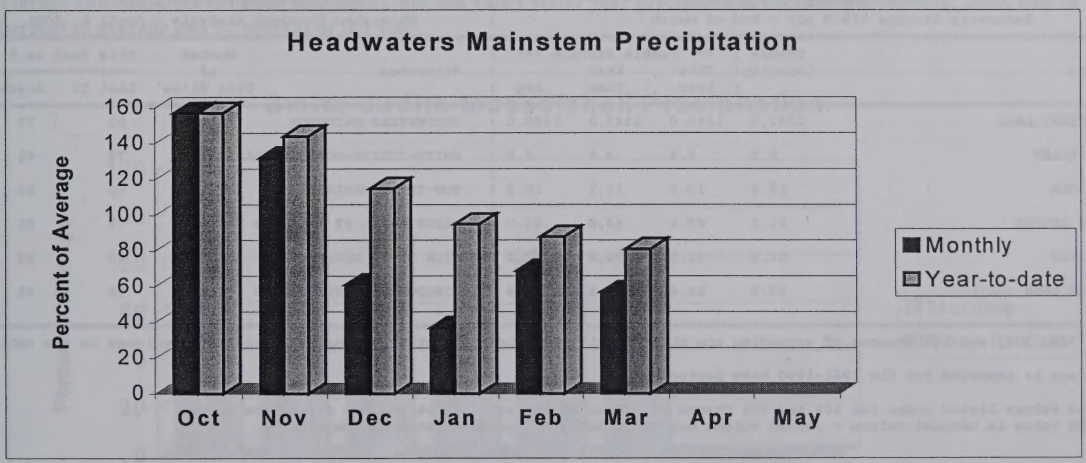
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average and third lowest of record. Snow water content was 71 percent of average and 92 percent of last year. Storms the first three days of April increased the basin snowpack by 3 percent.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during March was 78 percent of average and 124 percent of last year. Valley precipitation during March was 32 percent of average and 48 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 81 percent of average and 113 percent of last year.



Canyon Ferry Lake storage was 97 percent of average and 100 percent of last year; Helena Valley storage was 135 percent of average and 123 percent of last year; Lake Helena storage was 107 percent of average and 99 percent of last year; Hauser & Helena storage was 103 percent of average and 99 percent of last year; Holter Lake storage was 121 percent of average and 100 percent of last year; and Fort Peck Lake storage was 86 percent of average and 85 percent of last year.

Surface Water Supply Index (SWSI) was -2.8 in the Missouri River above Canyon Ferry; -2.4 in the Missouri River below Canyon Ferry; -1.6 in the Missouri River above Fort Peck; and -1.7 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	687	939	1110	54	1427	1893	2075
	APR-SEP	907	1147	1310	54	1643	1981	2416
PRICKLY PEAR CREEK nr Clancy	APR-JUL	10.5	14.4	17.0	74	21	26	23
	APR-SEP	12.3	16.9	20	74	24	30	27
DEARBORN nr Craig	APR-JUL	25	46	60	50	88	129	121
	APR-SEP	27	48	62	50	90	132	125
GIBSON Reservoir Inflow	APR-JUL	206	238	260	54	300	360	478
	APR-SEP	237	271	295	56	337	399	526
MISSOURI RIVER at Fort Benton (2)	APR-JUL	987	1286	1490	48	1914	2538	3087
	APR-SEP	1196	1591	1860	51	2386	3163	3678
MARIAS RIVER nr Shelby (2)	APR-JUL	72	93	107	24	166	254	447
	APR-SEP	76	96	109	22	169	257	487
MISSOURI RIVER at Virgelle (2)	APR-JUL	1059	1420	1665	46	2198	2983	3595
	APR-SEP	1302	1747	2050	49	2647	3627	4217
MISSOURI RIVER nr Landusky (2)	APR-JUL	1183	1562	1820	47	2368	3175	3897
	APR-SEP	1470	1940	2260	49	2848	4030	4580
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1212	1562	1800	45	2329	3108	4015
	APR-SEP	1347	1778	2070	46	2643	3797	4467
LAKE SAKAKAWEA Inflow (2)	APR-JUL	3685	4224	4590	46	5386	6557	9897
	APR-SEP	3517	4692	5200	46	6163	8283	11346

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1449.0	1447.0	1489.0
HELENA VALLEY	9.2	5.4	4.4	4.0
LAKE HELENA	10.4	10.9	11.1	10.2
HAUSER & HELENA	61.9	63.1	63.6	61.0
HOLTER LAKE	81.9	81.3	80.9	67.2
FORT PECK LAKE (MAF)	18.9	12.8	15.1	14.9

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	9	92	71
SMITH-JUDITH-MUSSELSHELL	16	79	61
SUN-TETON-MARIAS	14	69	56
MAINSTEM ab FT PECK RES	38	77	61
MILK RIVER BASIN	4	69	53
MISSOURI MAINSTEM BASIN	41	78	61

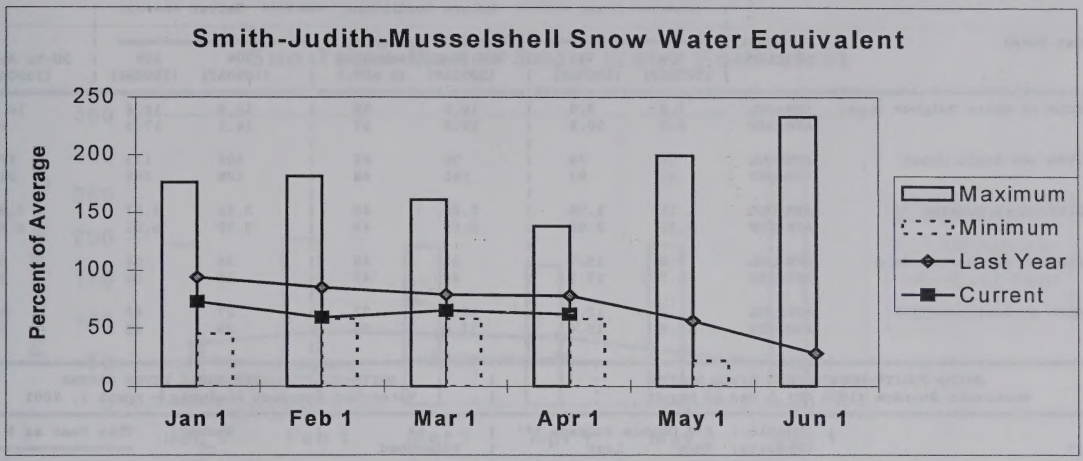
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

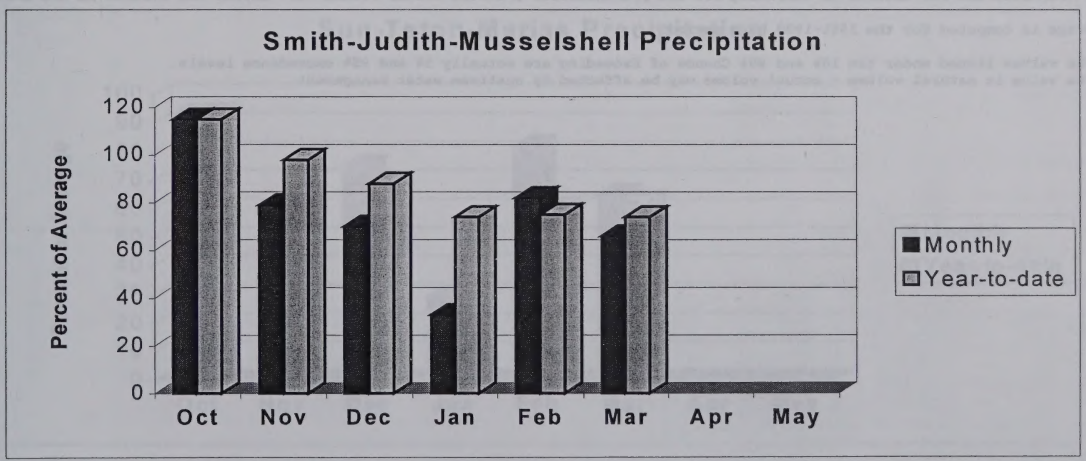
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were well below average and second lowest of record behind 1992. Storms the first three days of April increased the basin snowpack by 2 percent. Snow water content was 62 percent of average and 79 percent of last year. Snow water content in the Smith River Basin was 61 percent of average and 77 percent of last year; in the Judith River Basin was 65 percent of average and 77 percent of last year; and in the Musselshell Basin River was 55 percent of average and 83 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation during March in the Smith-Belts was 69 percent of average and 112 percent of last year; in the Judith was 68 percent of average and 70 percent of last year; and in the Musselshell was 57 percent of average and 65 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 74 percent of average and 92 percent of last year.



Smith River storage was 38 percent of average and 50 percent of last year; Bair storage was 38 percent of average and 72 percent of last year; Martinsdale storage was 25 percent of average and 24 percent of last year; and Deadman's Basin was 51 percent of average and 47 percent of last year.

Surface Water Supply Index (SWSI) was -3.0 in the Smith River and -3.1 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	7.6	9.0	10.0	55	11.8	14.4	18.1
	APR-SEP	9.0	10.8	12.0	57	14.1	17.3	21
SMITH RIVER abv Eagle Creek	APR-JUL	56	70	80	46	101	133	175
	APR-SEP	67	87	100	48	128	169	210
NF MUSSELSHELL nr Delpine	APR-JUL	1.11	1.76	2.20	46	3.16	4.57	4.80
	APR-SEP	1.35	2.09	2.60	46	3.70	5.31	5.60
SF MUSSELSHELL abv Martinsdale	APR-JUL	7.9	15.7	21	40	34	54	52
	APR-SEP	8.9	17.6	24	42	38	58	56
MUSSELSHELL at Harlowton (2)	APR-JUL	11.0	14.3	16.5	21	27	43	80
	APR-SEP	11.8	15.4	17.8	22	29	45	83

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	2.8	5.6	7.4
NEWLAN CREEK		NO REPORT		
BAIR	7.0	1.8	2.5	4.7
MARTINSDALE	23.1	2.4	10.0	9.7
DEADMAN'S BASIN	72.2	25.5	54.4	50.1

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	7	76	60
JUDITH	8	76	64
MUSSELSHELL	8	83	55
SMITH-JUDITH-MUSSELSHELL	16	79	61

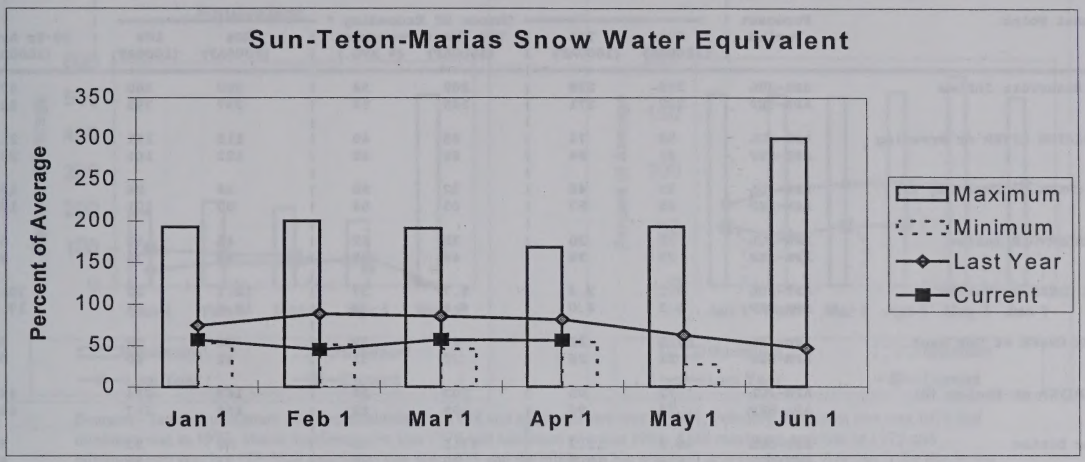
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

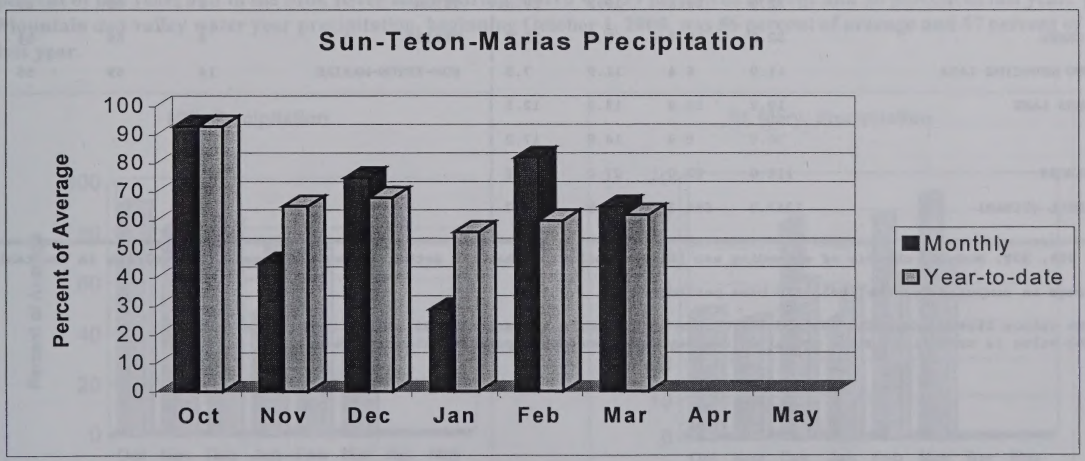
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well below average and second lowest of record behind 1984 and 1998. Storms the first three days of April increased the basin snowpack by 7 percent. Snow water content was 56 percent of average and 69 percent of last year. Snow water content in the Sun River Basin was 58 percent of average and 69 percent of last year; in the Teton River Basin was 60 percent of average and 75 percent of last year; and in the Marias River Basin was 54 percent of average and 69 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation during March in the Sun was 57 percent of average and 169 percent of last year; in the Teton was 68 percent of average and 101 percent of last year; and in the Marias was 66 percent of average and 69 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 62 percent of average and 61 percent of last year.



Gibson storage was 49 percent of average and 49 percent of last year; Pishkun storage was 107 percent of average and 98 percent of last year; Willow Creek storage was 89 percent of average and 364 percent of last year; Lower Two Medicine Lake storage was 85 percent of average and 54 percent of last year; Four Horns Lake storage was 104 percent of average and 100 percent of last year; Swift storage was 37 percent of average and 43 percent of last year; Lake Frances storage was 32 percent of average and 85 percent of last year; and Lake Elwell (Tiber) storage was 116 percent of average and 91 percent of last year.

Surface Water Supply Index (SWSI) was -3.0 in the Sun River; -3.6 in the Teton River; -3.5 in the Birch/Dupuyer Creeks; and -2.4 in the Marias River.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	206	238	260	54	300	360	478
	APR-SEP	237	271	295	56	337	399	526
TWO MEDICINE RIVER nr Browning	APR-JUL	58	74	85	40	112	151	215
	APR-SEP	67	84	95	42	122	161	228
BADGER CREEK nr Browning (2)	APR-JUL	35	45	52	50	66	86	104
	APR-SEP	45	57	65	54	80	101	120
SWIFT RESERVOIR Inflow	APR-JUL	21	30	35	52	46	61	68
	APR-SEP	29	38	44	55	55	72	80
DUPUYER CREEK nr Valier	APR-JUL	0.2	3.3	5.7	37	12.1	22	15.5
	APR-SEP	0.2	4.0	6.6	38	13.4	24	17.4
CUT BANK CREEK at Cut Bank	APR-JUL	17.8	22	26	29	36	52	87
	APR-SEP	21	26	30	31	42	60	96
MARIAS RIVER nr Shelby (2)	APR-JUL	72	93	107	24	166	254	447
	APR-SEP	76	96	109	22	169	257	487
TETON nr Dutton	APR-JUL	6.9	13.2	17.5	30	32	53	59
	APR-SEP	9.6	15.8	20	29	35	56	68

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	24.6	50.1	50.5
PISHKUN	32.0	19.0	19.3	17.8
WILLOW CREEK	32.2	20.4	5.6	22.8
LOWER TWO MEDICINE LAKE	11.9	6.4	11.9	7.5
FOUR HORNS LAKE	19.2	13.0	13.0	12.5
SWIFT	30.0	6.4	14.8	17.2
LAKE FRANCES	112.0	23.0	27.0	71.6
LAKE ELWELL (TIBER)	1347.0	694.2	764.8	596.7

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	7	69	58
TETON	4	75	60
MARIAS	6	69	54
SUN-TETON-MARIAS	14	69	56

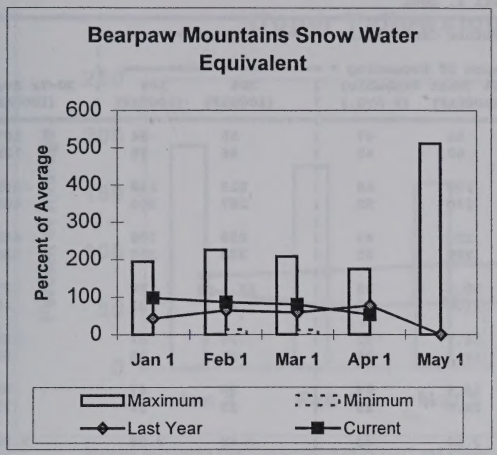
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

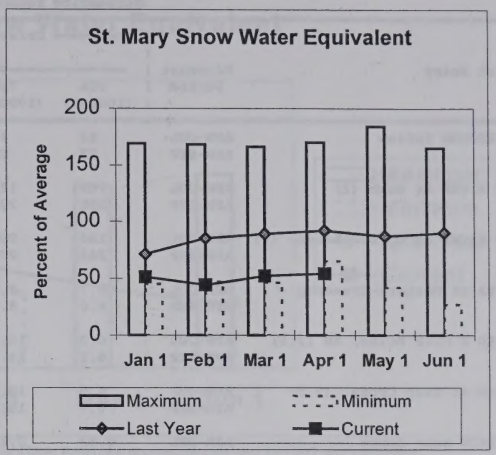
The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were well below average. Snow water content in the Saint Mary River Basin was 54 percent of average and 59 percent of last year. This is a new record low previously set in 1992 and 1993. The Milk River Basin (Bearpaw Mountains) was 53 percent of average and 69 percent of last year. Storms the first three days in April increased the basin snowpack by 6 percent.

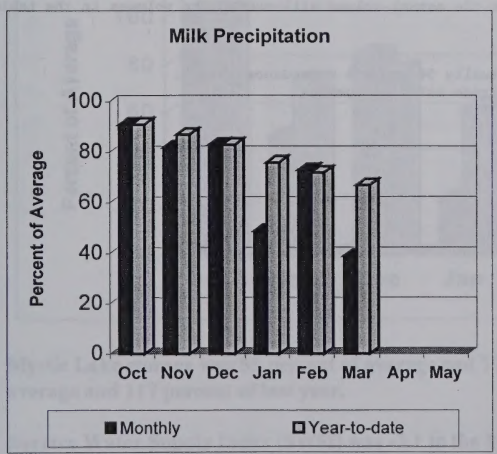


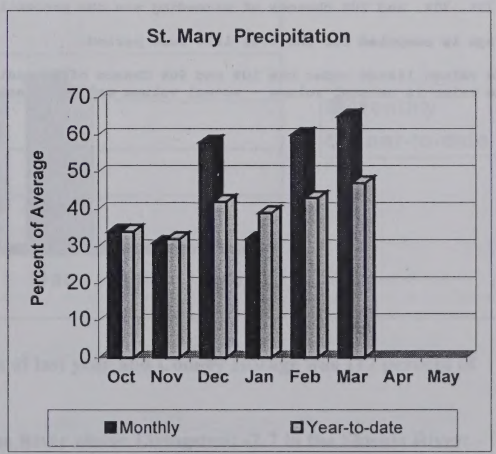


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 1981; April maximum swe was in 1975 and minimum swe was in 1983; May maximum swe was 1975 and the minimum has occurred in several years. Average is for the period 1961 through 1990.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1992; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1991 and minimum swe was 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation in the St. Mary River Basin during March was 65 percent of average and 68 percent of last year; and in the Milk River Basin during March was 39 percent of average and 36 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 56 percent of average and 57 percent of last year.





Lake Sherburne storage was 51 percent of average and 75 percent of last year; Fresno storage was 25 percent of average and 42 percent of last year; Beaver Creek storage was 114 percent of average and 93 percent of last year; and Nelson storage was 34 percent of average and 34 percent of last year.

Surface Water Supply Index (SWSI) was -3.0 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	50% (Most Probable) (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	43	47	50	47	56	64	107
	APR-SEP	53	57	60	48	66	76	125
ST. MARY RIVER nr Babb (2)	APR-JUL	162	179	190	48	213	248	395
	APR-SEP	205	226	240	52	267	306	463
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	184	208	225	49	259	308	462
	APR-SEP	244	274	295	55	333	388	539
MILK RIVER at Western Crossing	APR-JUL	3.7	8.7	10.3	28	18.1	28	37
	APR-SEP	4.0	9.7	11.3	28	20	31	40
MILK RIVER @ Milk River, AB (2,3)	APR-JUL	6.0	13.5	16.7	30	28	41	55
	APR-SEP	6.2	14.8	18.3	29	31	46	62
MILK RIVER at East Cross. (2,3)	APR-JUL	6.5	15.9	16.9	26	28	47	65
	APR-SEP	6.7	15.7	18.9	25	29	58	75
BEAVER CREEK near Havre	APR-JUL	0.83	2.18	3.10	33	5.89	9.99	9.50

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	12.7	16.9	24.8
FRESNO	127.0	19.0	45.3	77.1
BEAVER CREEK	3.5	2.5	2.7	2.2
NELSON	66.8	12.3	36.3	36.5

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	3	59	54
BEARPAW MOUNTAINS	4	69	53
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	69	53
ST. MARY & MILK BASINS	7	61	54

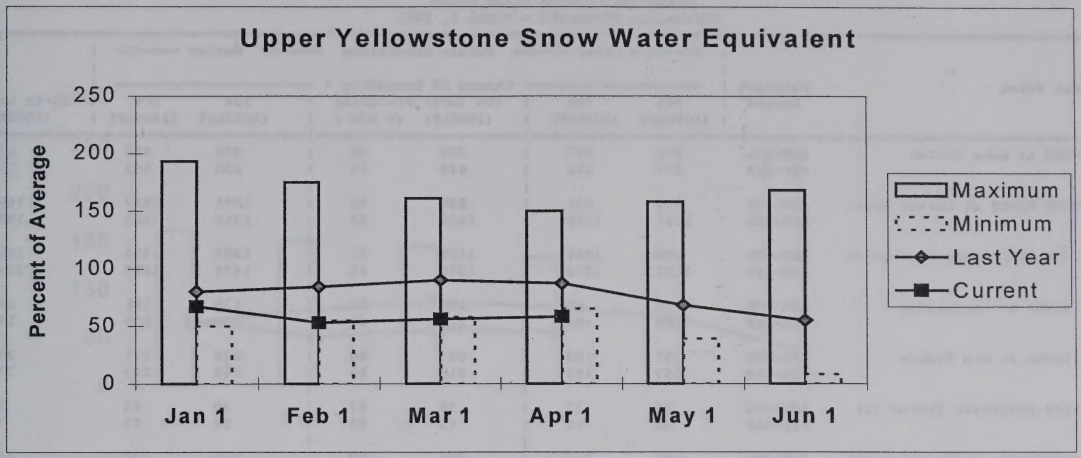
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

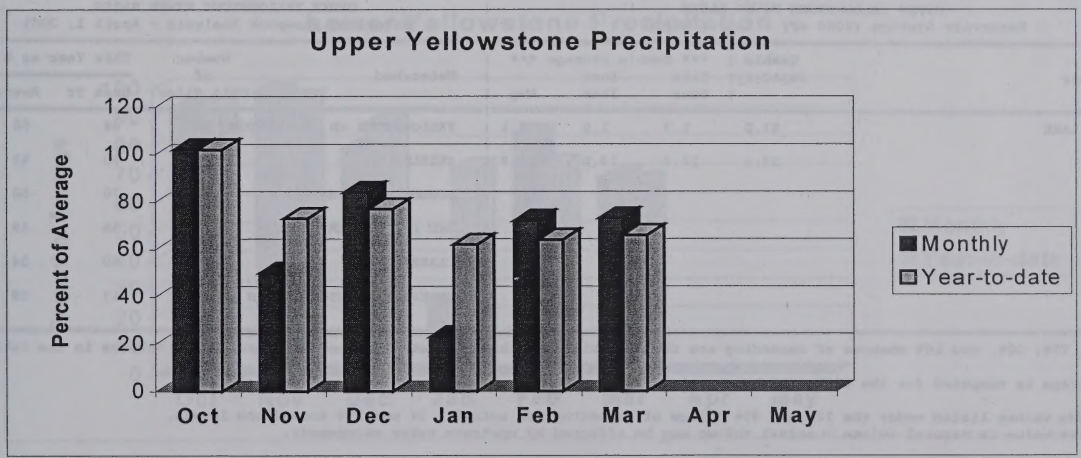
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well below average and have set a new record low previously set in 1981. Snow water content was 58 percent of average and 67 percent of last year. Storms the first three days of April increased the basin snowpack by 2 percent.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1997 and minimum swe was in 1977; April maximum swe was in 1971 and minimum swe was in 1981; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1982 and minimum swe was in 1987 and 1994. Average is for the period 1961 through 1990.

Mountain precipitation during March was 74 percent of average and 88 percent of last year. Valley precipitation during March was 65 percent of average and 81 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 66 percent of average and 77 percent of last year.



Mystic Lake storage was 55 percent of average and 170 percent of last year and Cooney storage was 117 percent of average and 117 percent of last year.

Surface Water Supply Index (SWSI) was -3.1 in the Yellowstone River above Livingston; -2.7 in the Shields River; -3.4 in the Boulder River; -3.6 in the Stillwater River; -3.1 in the Rock/Red lodge Creeks; -3.8 in the Clarks Fork River; and -3.3 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	272	307	330	58	370	430	573
	APR-SEP	371	412	440	56	490	563	792
YELLOWSTONE RIVER at Corwin Spgs.	APR-JUL	844	934	995	62	1094	1239	1609
	APR-SEP	1024	1129	1200	62	1315	1485	1937
YELLOWSTONE RIVER near Livingston	APR-JUL	926	1044	1125	61	1206	1324	1855
	APR-SEP	1131	1276	1375	61	1474	1619	2241
SHIELDS RIVER nr Livingston	APR-JUL	55	85	105	65	136	181	162
	APR-SEP	60	96	120	67	156	209	179
BOULDER RIVER at Big Timber	APR-JUL	157	183	200	60	229	271	335
	APR-SEP	167	195	215	59	248	297	364
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	29	33	35	57	39	45	61
	APR-SEP	38	42	45	57	50	57	79
STILLWATER RIVER nr Absarokee (2)	APR-JUL	197	228	250	50	293	357	498
	APR-SEP	237	272	295	50	342	411	593
CLARKS FORK RIVER nr Belfry	APR-JUL	261	290	310	58	344	395	532
	APR-SEP	280	310	330	56	366	419	590
COONEY RESERVOIR Inflow (2)	APR-JUL	10.4	17.6	23	48	33	48	47
	APR-SEP	15.0	23	28	48	38	54	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1736	2006	2190	61	2491	2934	3577
	APR-SEP	2106	2392	2560	61	2886	3116	4211

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	1.7	1.0	3.1
COONEY	27.4	22.2	19.8	16.9

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	18	64	58
SHIELDS	7	80	65
BOULDER-STILLWATER	7	70	58
RED LODGE-ROCK CREEK	6	65	49
CLARK'S FORK	7	59	54
UPPER YELLOWSTONE BASIN	41	67	58

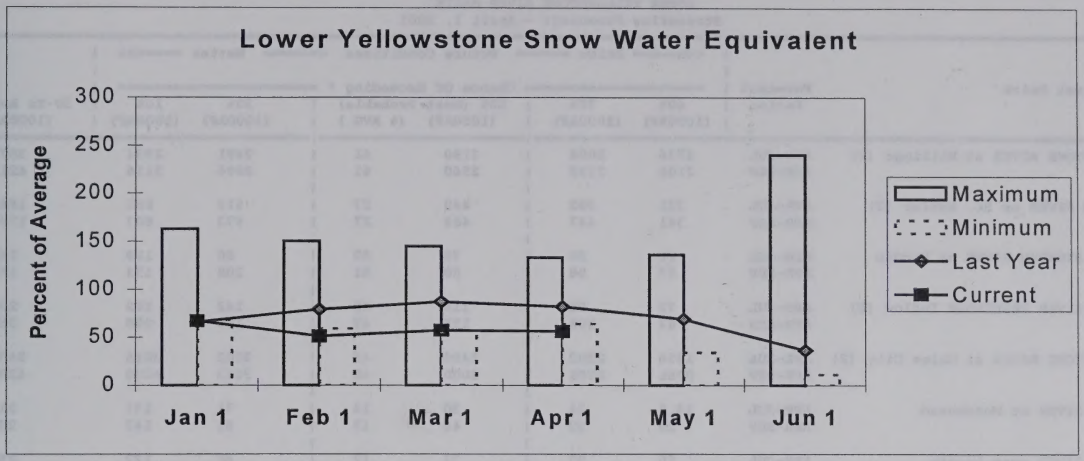
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

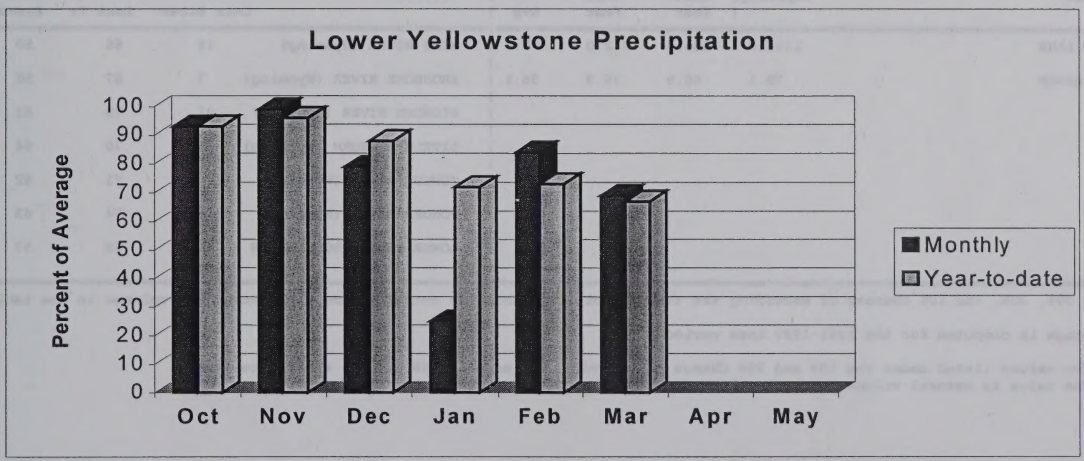
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin, in Wyoming, was well below average and have set a new record low previously set in 1981. Snow water content was 56 percent of average and 68 percent of last year. Storms the first three days of April increased the basin snowpack by 3 percent.



January maximum swe was established in 1997 and minimum swe was in 1981; February maximum swe was in 1997 and minimum swe was in 1981; March maximum swe was in 1986 and minimum swe was in 1977; April maximum swe was in 1986 and minimum swe was in 1981; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 1994. Average is for the period 1961 through 1990.

Mountain and valley precipitation during March was 69 percent of average and 83 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 67 percent of average and 78 percent of last year.



Bighorn Lake storage was 107 percent of average and 94 percent of last year and Tongue River storage was 113 percent of average and 111 percent of last year.

Surface Water Supply Index (SWSI) was -2.7 in the Bighorn River below Bighorn Lake; -3.3 in the Little Bighorn River; -3.0 in the Yellowstone River below Bighorn River; -3.0 in the Tongue River; and -3.8 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1736	2006	2190	61	2491	2934	3577
	APR-SEP	2106	2392	2560	61	2886	3116	4211
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	321	392	440	27	619	882	1645
	APR-SEP	341	447	489	27	673	807	1794
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	21	50	70	50	90	119	140
	APR-SEP	27	58	80	51	102	133	157
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	72	95	110	48	142	189	230
	APR-SEP	84	108	125	49	159	208	256
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	1836	2202	2450	45	3002	3815	5431
	APR-SEP	2261	2761	3000	48	3583	4020	6281
POWDER RIVER at Moorehead	APR-JUL	16.0	24	30	14	71	131	211
	APR-SEP	22	33	40	17	82	143	232
POWDER RIVER near Locate	APR-JUL	20	27	31	12	68	122	252
	APR-SEP	22	30	36	13	79	143	276
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	1736	2197	2510	42	3255	4352	5925
	APR-SEP	2249	2741	3040	45	3888	4225	6814

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	854.3	912.0	798.5
TONGUE RIVER	79.1	40.9	36.9	36.1

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	19	66	50
SHOSHONE RIVER (Wyoming)	7	67	58
BIGHORN RIVER (Wyoming)	21	70	61
LITTLE BIGHORN (Wyoming)	3	70	64
TONGUE RIVER (Wyoming)	9	71	62
POWDER RIVER (Wyoming)	9	74	63
LOWER YELLOWSTONE BASIN (	47	69	57

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

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Montana
Basin Outlook Report

Natural Resources Conservation Service
Bozeman, MT